

All India Mock for RBI Grade B Phase 1 (9th-10th April 2023)

Q1. Priority Sector means those sectors which the Government of India and RBI consider as important for the development of basic needs of the country and are to be given priority over other sectors. Which of the following is NOT a priority sector?

- (a) Agriculture
- (b) Micro Enterprises
- (c) Education
- (d) Health
- (e) Housing

Q2. Power Foundation and Climate Policy Initiative India Pvt. Ltd. (CPI) have signed a Memorandum of Understanding to work together to support India's transition towards a cleaner energy future. Power Foundation is a think tank and a policy & research advocacy body under which Ministry?

- (a) Ministry of Finance
- (b) Ministry of Environment, Forests and Climate Change
- (c) Ministry of New and Renewable Energy
- (d) Ministry of Power
- (e) Ministry of Rural Development

Q3. Atal Innovation Mission (AIM) – NITI Aayog has launched a comprehensive self-monitoring framework to strengthen the ever-growing ecosystem of Atal Tinkering Labs. What is the name of this framework?

- (a) ATL NITI
- (b) ATL Sathi
- (c) ATL Sarthi
- (d) ATL Dost
- (e) ATL Friend

Q4. Identify Incorrect statement regarding 'Basic Animal Husbandry Statistics 2022'-

- (i) It has been released by Ministry of Agriculture and Farmers Welfare.
 - (ii) Total egg production (2021-22) is 129.60 billion numbers, an increase by 6.19% as compared to previous year.
 - (iii) Total milk production (2021-22) is 300.06 million tonnes, decreased by 5.29% as compared to previous year.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (iii)
 - (d) Both (i) & (iii)
 - (e) All (i), (ii) & (iii)

Q5. The government of Uttarakhand has approved a _____ horizontal reservation for statehood campaigners in state government positions-

- (a) 10%
- (b) 20%
- (c) 30%
- (d) 40%
- (e) 50%

Q6. The winners of the ICC Player of the Month awards for February 2023 have been revealed by the International Cricket Council (ICC), with Ashleigh Gardner of _____ being awarded the ICC Women's Player of the Month and Harry Brook of _____ recovering the ICC Men's Player of the Month titles-

- (a) Australia, Australia
- (b) Australia, England
- (c) England, Australia
- (d) New Zealand, Australia
- (e) England, New Zealand

Q7. Indian Railways has set a target of becoming a 'net-zero carbon emitter' by which of the following year?

- (a) 2030
- (b) 2031
- (c) 2050
- (d) 2051
- (e) 2060

Q8. Recently, who amongst the following has become India's 80th Grandmaster?

- (a) Koustav Chatterjee
- (b) Visakh NR
- (c) Vignesh NR
- (d) D Gukesh
- (e) Pranesh M

Q9. Recently, India and which of the following country have signed an agreement to increase the power import and export capacity through the Dhalkebar-Muzaffarpur transmission line?

- (a) Nepal
- (b) Sri Lanka
- (c) Bangladesh
- (d) Myanmar
- (e) Bhutan

Q10. Recently, which of the following companies has signed an agreement with Uber to supply 25,000 electric vehicles (EVs) under its XPRES brand?

- (a) Ashok Leyland
- (b) Maruti Suzuki
- (c) Hyundai Motors India
- (d) Mahindra and Mahindra
- (e) Tata Motors

Q11. Recently, the joint venture between Vedanta and Foxconn has announced to set up of India's first semiconductor manufacturing facility in which of the following regions?

- (a) New Delhi
- (b) Dholera Special Investment Region, Gujarat
- (c) Hyderabad, Telangana
- (d) Greater Noida, Uttar Pradesh
- (e) GIFT City, Gujarat

Q12. Recently, the Union Cabinet has approved the signing of the Air Services Agreement between India and which of the following countries?

- (a) Brazil
- (b) China
- (c) Russia
- (d) Guyana
- (e) South Africa

Q13. NPCI has instructed members of the UPI ecosystem to allow non-resident account types such as NRE/NRO accounts having international mobile numbers to get on boarded and transact through UPI. Interest earned on an NRO account is taxable at-

- (a) 10%
- (b) 20%
- (c) 30%
- (d) 40%
- (e) 50%

Q14. The five pillars of the 'School of Eminence' are state-of-the-art infrastructure, academics, human resource management, sports, co-curricular activities, and community engagement. Which state government has launched an ambitious project 'School of Eminence'?

- (a) Uttarakhand
- (b) Telangana
- (c) Punjab
- (d) Jharkhand
- (e) Tamil Nadu

Q15. Which railway station has been awarded the 'Green Railway Station Certification with the highest rating of Platinum'?

- (a) Dehradun Railway Station
- (b) Visakhapatnam Railway Station
- (c) Indore Junction Railway Station
- (d) Varanasi Cantt
- (e) New Delhi Railway Station

Q16. Who among the following has become the 1st-ever Indian cricketer to have won the ICC Men's T20 Cricketer of the Year award?

- (a) Virat Kohli
- (b) Hardik Pandya
- (c) Surya Kumar Yadav
- (d) K L Rahul
- (e) Rishabh Pant

Q17. Which of the following state has celebrated the 3rd edition of the annual Orange Festival 2023?

- (a) Tripura
- (b) West Bengal
- (c) Nagaland
- (d) Manipur
- (e) Meghalaya

Q18. Which of the following companies said it is investing USD 10 billion in OpenAI, whose artificial intelligence tool ChatGPT?

- (a) Apple
- (b) Microsoft
- (c) Saudi Aramco
- (d) Amazon
- (e) Tesla

Q19. Tamil Nadu Government has announced the 'Nilgiri Tahr Project', India's first-of-its-kind initiative aimed at restoring the state animal's original habitat and stabilizing its population. The 'Nilgiri Tahr Project' is a five-year program with a budget of-

- (a) Rs 20.12 crore
- (b) Rs 25.14 crore
- (c) Rs 30.15 crore
- (d) Rs 32.18 crore
- (e) Rs 33.17 crore

Q20. Which state government has introduced a lesson on the contribution of Fatima Sheikh in the textbooks of the eighth class?

- (a) Karnataka
- (b) Kerala
- (c) Telangana
- (d) Andhra Pradesh
- (e) Tamil Nadu

Q21. India and which country will conduct their first-ever air exercise named "Veer Guardian" from January 16 to 26, 2023?

- (a) Myanmar
- (b) China
- (c) Japan
- (d) USA
- (e) Nepal

Q22. The 3rd edition of ASEAN India Grassroots Innovation forum 2022 concluded at Phnom Penh. Phnom Penh is the capital of-

- (a) Laos
- (b) Myanmar
- (c) Azerbaijan
- (d) Cambodia
- (e) Brunei

Q23. National eGovernance Division (NeGD) under the Ministry of Electronics and IT (MeitY) has organized an AI Pe Charcha (AI Dialogue) in-

- (a) Bhopal
- (b) Lucknow
- (c) Jammu
- (d) New Delhi
- (e) Mumbai

Q24. National Health Authority has announced a Digital Health Incentive Scheme (DHIS) for the stakeholders of the digital health ecosystem. Which of the following is/are Beneficiaries of the scheme?

- (i) Health Facilities having 10 or more beds.
 - (ii) Laboratory/radiology diagnostics centers
 - (iii) Digital Solution Companies (entities providing ABDM enabled digital solutions).
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (iii)
 - (d) Both (i) & (ii)
 - (e) All (i), (ii) & (iii)

Q25. Identify correct statement/ts regarding Rajiv Gandhi Shramik Kalyan Yojana-

- (i) It was Launched in the year 2005.
 - (ii) It is being implemented by ministry of labor and Employment
 - (iii) The nodal implementing agency is Department of Finance.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (iii)
 - (d) Both (i) & (ii)
 - (e) All (i), (ii) & (iii)

Q26. Recently, Former Chief Economic Advisor, Arvind Virmani has been appointed as a full time member of NITI Aayog. Who is the present Vice Chairman of NITI Aayog?

- (a) VK Saraswat
- (b) VK Paul
- (c) Ramesh Chand
- (d) Suman Bery
- (e) None of the above

Q27. The first World Media Congress was conducted at Abu Dhabi, United Arab Emirates. The conference-cum-exhibition Congress was organized by ADNEC Group in partnership with Emirates News Agency (WAM). What was the theme of the conference?

- (a) Shaping the career of the Media Industry
- (b) Shaping the Future of the Media Industry
- (c) Media for Future
- (d) Shaping and making Future
- (e) Moving in the world of Media

Q28. Bharat Electronics Ltd (BEL) signed a Memorandum of Understanding (MoU) with which of the following agencies for jointly developing the Indigenous Communication-based Train Control System?

- (a) Kolkata Metro Rail Corporation Limited
- (b) Integral Coach Factory
- (c) Chennai Metro Rail
- (d) Delhi Metro Rail Corporation Ltd
- (e) Mumbai Metro Rail Corporation Ltd

Q29. Which of the following is the 'Spotlight' country in the IFFI 53 film festival held in Goa?

- (a) South Korea
- (b) Lebanon
- (c) France
- (d) Germany
- (e) England

Q30. Which of the following company becomes the first company in history to lose \$1 trillion market capitalization?

- (a) Flipkart
- (b) Amazon
- (c) Microsoft
- (d) SpaceX
- (e) TCS

Q31. Recently, India-Africa Security Fellowship Programme was launched at the 2nd edition of India-Africa Defence Dialogue. Identify Incorrect statement regarding the Dialogue-

- (i) The duration of the programme is 1 to 3 months.
- (ii) Rs. 75000 per month will be provided as amount of fellowship.
- (iii) Manohar Parrikar Institute for Defence Studies and Analyses is the knowledge Partner.

- (a) Only (i)
- (b) Only (ii)
- (c) Only (iii)
- (d) Both (i) & (ii)
- (e) All (i), (ii) & (iii)

Q32. Prime Minister Narendra Modi along with UN SecretaryGeneral Antonio Guterres officially launched Mission LiFE at the Statue of Unity, Kevadia, Gujarat. Expand the term "LiFE"-

- (a) Lifestyle For Environment
- (b) Lifestyle For Education
- (c) Lifestyle For Enterprise
- (d) Lifestyle For Electronics
- (e) Lifestyle For Entrepreneur

Q33. The 23rd Annual General Meeting of Developing Countries Vaccine Manufacturers Network (DCVMN) was recently held in which of the following city?

- (a) Bhopal
- (b) Udaipur
- (c) Amaravati
- (d) Jodhpur
- (e) Pune

Q34. Recently, Union Education Minister has launched National Curriculum Framework for Foundational Stage and pilot project of Balvatika in 49 Kendriya Vidyalayas across the country. The project has been launched for children in the age group of-

- (i) 3+
- (ii) 4+
- (iii) 5+
- (a) Only (i)
- (b) Only (ii)
- (c) Only (iii)
- (d) Both (i) & (ii)
- (e) All (i), (ii) & (iii)

Q35. Recently, Jaxay Shah has been appointed as the Chairman of Quality Council of India for a period of three years. It was established in which of the following year?

- (a) 1995
- (b) 1996
- (c) 1997
- (d) 1998
- (e) 1999

Q36. Ministry of housing and urban affairs has organized the Indian Urban Housing Conclave-2022 in-

- (a) Gurugram, Haryana
- (b) Udaipur, Rajasthan
- (c) Ahmedabad, Gujarat
- (d) Rajkot, Gujarat
- (e) Hyderabad, Telangana

Q37. Which of the following is a Priority Sector Lending Certificates (PSLCs)?

- (a) PSLC General
- (b) PSLC Small and Marginal Farmer
- (c) PSLC Agriculture
- (d) PSLC Micro Enterprises
- (e) All of the above

Q38. Finance Minister recently announced that government will set up an Urban Infrastructure Development Fund (UIDF) for creating infrastructure in Tier-2 and Tier-3 cities. It will be established through the use of priority sector lending shortfall. Identify Incorrect statement regarding UIDF-

- (i) Government will set up an Urban Infrastructure Development Fund (UIDF) of Rs 5,000 crore per year.
- (ii) The fund will be used by public agencies to create urban infrastructure in tier-2 and tier-3 cities.
- (iii) It will be managed by the National Housing Bank (NHB).
- (a) Only (i)
- (b) Only (ii)
- (c) Only (iii)
- (d) Both (i) & (ii)
- (e) All (i), (ii) & (iii)

Q39. Recently, President Draupadi Murmu inaugurated the 14th edition of the Sanskriti Mahotsav 2023 in which of the following cities?

- (a) Patna
- (b) Kolkata
- (c) Bikaner
- (d) Jaipur
- (e) Jodhpur

Q40. Recently, the Youth 20 India Summit for Environment Conservation was held in which of the following institutions?

- (a) JNU
- (b) BHU
- (c) IIT, Madras
- (d) Anna University, Chennai
- (e) Maharaja Sayajirao University Vadodara

Q41. Identify correct Product of the NPCI from the Information given below-

This program is aimed at meeting the electronic tolling requirements of the Indian market. It offers an interoperable nationwide toll payment solution.

- (a) CTS
- (b) BHIM
- (c) NACH
- (d) NETC
- (e) UPI

Q42. Which of the following statement(s) is/are correct about a Nostro account?

- (i) It is an account held by a bank of one country in a bank in another country.
 - (ii) It allows the customers to deposit money in the bank's account in another bank. It is often used if a bank has no branches in a foreign country.
 - (iii) The interest rate is not given to this type of account.
- (a) Only (i)
 - (b) Only (iii)
 - (c) Both (i) & (ii)
 - (d) Both (ii) & (iii)
 - (e) All (i), (ii) & (iii)

Q43. OTC Markets refers to markets where transactions are undertaken in any manner other than on exchanges and shall include those executed on electronic trading platforms (ETPs). Expand the term "C" in OTC-

- (a) Cost
- (b) Capital
- (c) Central
- (d) Counter
- (e) Cash

Q44. Central Water Commission and which of the following IIT have signed an MOU for establishing an international Centre of Excellence on dam safety?

- (a) IIT-Bombay
- (b) IIT-Roorkee
- (c) IIT-Delhi
- (d) IIT-Ropar
- (e) IIT-Kharagpur

Q45. The Pradhan Mantri Kisan Samman Nidhi Yojana (PM-KISAN) completed 4 years on 24 February 2023. Identify Correct statement regarding PM-KISAN Yojana-

- (i) It is a Central Sector Scheme with 100% funding from the Government of India.
 - (ii) It is being implemented by the Ministry of Agriculture and Farmers Welfare.
 - (iii) Financial benefit of Rs 6000/- per year in three equal installments, every four months is transferred into the bank accounts of farmers' families across the country through Direct Benefit Transfer (DBT) mode.
- (a) Only (i)
 - (b) Only (ii)
 - (c) Only (iii)
 - (d) Both (i) & (ii)
 - (e) All (i), (ii) & (iii)

Q46. SS Rajamouli's directorial, 'RRR' has NOT bagged the award in which of the following category at the Hollywood Critics Association Film Awards?

- (a) Best Original Song
- (b) Best Stunts
- (c) Best Action Film
- (d) Best International Film
- (e) Best Feature Film

Q47. According to HedgewithCrypto research, India emerged as ____ biggest nation ready to adopt crypto in 2023 Whereas Australia is the biggest country when it comes to the adoption of cryptocurrency in 2023 with a score of 7.37 out of 10-

- (a) 5th
- (b) 6th
- (c) 7th
- (d) 8th
- (e) 9th

Q48. Which country Hosted First I2U2 Vice-Ministerial Meeting to Discuss Investment Opportunities?

- (a) Argentina
- (b) England
- (c) Spain
- (d) UAE
- (e) None of these

Q49. The Gyalsey (Prince) Jigme Namgyel Wangchuck has become the first digital citizen of which of the following country?

- (a) Nepal
- (b) Myanmar
- (c) Bhutan
- (d) Pakistan
- (e) Turkey

Q50. Prime Minister Narendra Modi inaugurated the 'Barisu Kannada Dim Dimava cultural festival at Talkatora Stadium in-

- (a) New Delhi
- (b) Maharashtra
- (c) Madhya Pradesh
- (d) Karnataka
- (e) Gujarat

Q51. Which railway station under East Coast Railway has been awarded the 'Green Railway Station Certification with highest rating of Platinum by the Indian Green Building Council (IGBC) for adopting green concepts that are reducing the adverse environmental impact?

- (a) Srikakulam railway station
- (b) Visakhapatnam railway station
- (c) Bastar railway station
- (d) Bhubaneswar railway station
- (e) Dantewada railway station

Q52. National Logistics Portal (marine) has been launched recently. Identify Correct statement regarding this-

- (i) It will be a single window for all trade processes of the logistics sector spread across the country.
 - (ii) Its activities are categorized into four distinct verticals.
 - (iii) It was envisaged by Ministry of Ports Shipping Waterways and Ministry of Commerce & Industry.
- (a) All (i), (ii) & (iii) are correct
 - (b) Both (i) & (ii)
 - (c) Only (i)
 - (d) Only (iii)
 - (e) Both (ii) & (iii)

Q53. List of 120 startups and innovators has been announced for the XR Startup Program by MeitY Startup Hub (MSH) and Meta (parent company of Facebook). Identify Incorrect statement regarding this-

- (i) It was Launched in the September 2020.
 - (ii) It includes an Accelerator program and a Grand Challenge.
 - (iii) The Objective is to boost the emerging tech ecosystem in the country.
- (a) All (i), (ii) & (iii) are correct
 - (b) Both (i) & (ii)
 - (c) Only (i)
 - (d) Only (iii)
 - (e) Both (ii) & (iii)

Q54. The first International Financial Architecture Working Group meeting of G-20 under the chair of India will take place in-

- (a) Gurugram
- (b) Hyderabad
- (c) Bhopal
- (d) Mumbai
- (e) Chandigarh

Q55. Ministry of Youth Affairs and Sports recently launched a special mobile application for the ___ edition of Khelo India Youth Games-

- (a) 1st
- (b) 2nd
- (c) 3rd
- (d) 4th
- (e) 5th

Q56. The Securities and Exchange Board of India (SEBI) issued a framework enabling Alternate Investment Funds (AIFs) to raise money from Foreign Portfolio Investors (FPIs). Identify the correct statement regarding the framework-

- (i) The new framework was issued under Section 10(A) of the SEBI (Alternate Investment Funds) Regulations 2012.
 - (ii) SEBI also notified that investors contributing 25% or more in the corpus should not be a person mentioned in the Sanctions List notified by the United Nations Security Council (UNSC).
 - (iii) SEBI also notified that investors contributing 25% or more in the corpus should be a resident in a country identified in the public statement of the Financial Action Task Force (FATF).
- (a) Only (i)
 - (b) Only (iii)
 - (c) Both (i) & (ii)
 - (d) Both (ii) & (iii)
 - (e) All (i), (ii) & (iii)

Q57. According to Revised Regulatory Framework of Categorization of Urban Co-operative Banks (UCBs), Identify which of the following is Incorrect regarding the framework?

- (i) In Tier 2 - UCBs are categorized with deposits more than Rs.100 crore and up to Rs.1000 crore.
(ii) In Tier 3 - UCBs with deposits more than Rs.1000 crore and up to Rs. 10,000 crores.
(iii) Tier 4 - UCBs with deposits more than Rs. 10,000 crores.
(a) All (i), (ii) & (iii)
(b) Both (i) & (iii)
(c) Only (i)
(d) Only (ii)
(e) None of the above

Q58. The National Rail Plan envisages that the share of freight traffic by rail should go up from current share of 27% to ____ by 2030-

- (a) 32%
(b) 45%
(c) 50%
(d) 62%
(e) 73%

Q59. Under Shahari Waqf Sampatti Vikas Yojana (SWSVY) interest free loan is provided to Waqf Institutions/Waqf Boards for taking up economically viable projects on the urban waqf land such as commercial complexes, marriage halls, hospitals, cold storages etc. This scheme is implemented by-

- (a) Ministry of Minority Affairs
(b) Ministry of Commerce and Industry
(c) Ministry of Social Justice and Empowerment
(d) Ministry of Skill Development and Entrepreneurship
(e) None of these

Q60. Recently the Golden Jubilee of the North Eastern Council has been celebrated. Identify correct statement with respect to the council.

- (i) It is statutory body established under North Eastern Council Act, 1971.
(ii) It functions under Ministry of Development of the North-Eastern Region.
(iii) Its headquarters is located at Baghmara, Meghalaya.
(a) All (i), (ii) & (iii)
(b) Both (i) & (ii)
(c) Only (i)
(d) Only (iii)
(e) None of the above

Q61. The Curtain Raiser marks the beginning of number of preparatory events being hosted in the run up to the India Energy Week 2023. It was organized at which of the following city?

- (a) Bengaluru
(b) Lucknow
(c) New Delhi
(d) Hyderabad
(e) Vishakhapatnam

Q62. Open Network for Digital Commerce (ONDC), is an initiative of the Department of Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce, Government of India, to create a facilitative model to revolutionize digital commerce, giving greater thrust to penetration of retail e-commerce in India. It has authorized capital of-

- (a) Rs 500 crore
(b) Rs 400 crore
(c) Rs 300 crore
(d) Rs 200 crore
(e) Rs 100 crore

Q63. Karnataka Vikas Grameena Bank (KVGB) has bagged the national award from Pension Fund regulatory and Development Authority (PFRDA) for significant enrolment under Atal Pension Yojana (APY). Which of the following is the sponsor bank of KVGB?

- (a) Canara Bank
(b) Punjab National Bank
(c) Indian Bank
(d) State Bank of India
(e) UCO Bank

Q64. Areez Pirojshaw Khambatta passed away recently, he was the founder of-

- (a) Tang
(b) Rasna
(c) Frooti
(d) Pepsi
(e) Coca-Cola

Q65. What is the name of official mascot of the Qatar World Cup 2022?

- (a) Striker
(b) Zakumi
(c) Fuleco
(d) La'eeb
(e) Zabivaka

Q66. What is the name of the football to be used during the world cup 2022?

- (a) Telstar 18
- (b) Brazuca
- (c) Telstar Mechta
- (d) Al Rihla
- (e) Jabulani

Q67. Who won the season ending F1 Abu Dhabi race in Abu Dhabi, United Arab Emirates?

- (a) Charles Leclerc
- (b) Max Verstappen
- (c) Sergio Perez
- (d) George Russell
- (e) Sebastian Vettel

Q68. Former Reserve Bank of India Governor Raghuram Rajan feels India is "dangerously close" to the "Hindu rate of growth". Hindu growth rate' was coined by late economist Raj Krishna in which of the following year?

- (a) 1975
- (b) 1976
- (c) 1977
- (d) 1978
- (e) 1980

Q69. 'Pump and Dump' recently seen in news relates to which of the following?

- (a) SEBI barring buyback of securities
- (b) Technological enhancement of stock calculation
- (c) Stock manipulation mechanism
- (d) Digital payment mechanism
- (e) Forward market rate calculation mechanism

Q70. PM Modi and PM of Bangladesh, Sheikh Hasina jointly inaugurated the India-Bangladesh Friendship Pipeline in a virtual mode. Foundation stone for its construction was laid by both Prime Ministers in-

- (a) August 2017
- (b) September 2018
- (c) November 2019
- (d) December 2020
- (e) January 2021

Q71. Ministry of Panchayati Raj has been awarded WSIS Prizes Award 2023 for its AuditOnline software/application at WSIS Forum 2023. WSIS Forum 2023 was recently held in-

- (a) Geneva, Switzerland
- (b) New York, USA
- (c) Brussels, Belgium
- (d) Tokyo, Japan
- (e) New Delhi, India

Q72. Ministry of Fisheries, Animal Husbandry & Dairying has conducted Phase-IV of 'Sagar Parikrama' in which of the following state?

- (a) Tamil Nadu
- (b) Haryana
- (c) Uttarakhand
- (d) Karnataka
- (e) Kerala

Q73. The Churchgate railway station in _____ will soon be called as 'Chintamanrao Deshmukh station', named after the first governor of the Reserve Bank of India (RBI) CD Deshmukh-

- (a) New Delhi
- (b) Mumbai
- (c) Bengaluru
- (d) Hyderabad
- (e) Lucknow

Q74. HDFC Bank and financial services company Lulu Exchange, have partnered to strengthen cross-border payments between India and Gulf Cooperation Council (GCC) region. Lulu Exchange is based in which of the following country?

- (a) Argentina
- (b) England
- (c) Spain
- (d) UAE
- (e) None of these

Q75. The Minister of State for Statistics and Programme Implementation, Rao Inderjit Singh, launched the revised norms for MPLADS (Members of Parliament Local Area Development Scheme). The new MPLADS guidelines and the web portal will come into effect from-

- (a) April 1, 2023
- (b) May 1, 2023
- (c) June 1, 2023
- (d) April 30, 2023
- (e) May 31, 2023

Q76. Which edition of Asia Economic Dialogue (AED 2023) has been organized in Pune, Maharashtra with the theme "Asia and the Emerging World Order"?

- (a) 5th
- (b) 6th
- (c) 7th
- (d) 8th
- (e) 9th

Q77. ___ launches LLaMA model, a research tool more potent than OpenAI's GPT-3.

- (a) Microsoft
- (b) Apple
- (c) Meta
- (d) Google
- (e) Philip Morris

Q78. Exercise Desert Flag VIII held in which of the following country?

- (a) China
- (b) India
- (c) Mongolia
- (d) US
- (e) UAE

Q79. Identify correct statement regarding Global Minimum Tax-

- (i) A Global Minimum Tax (GMT) applies a standard minimum tax rate to a defined corporate income base worldwide.
 - (ii) The OECD developed a proposal featuring a corporate minimum tax of 15% on foreign profits of large multinationals.
 - (iii) The framework of GMT aims to discourage nations from tax competition through lower tax rates that result in corporate profit shifting and tax base erosion.
- (a) All (i), (ii) & (iii)
 - (b) Both (i) & (ii)
 - (c) Only (i)
 - (d) Only (iii)
 - (e) None of the above

Q80. BEPS practice is a major problem since nations have lost tax revenues to the tune of \$100 billion to \$240 billion annually, as per statistics put out by the Organisation for Economic Cooperation and Development (OECD). Expand the term "E" in BEPS-

- (a) Effect
- (b) Erosion
- (c) Erase
- (d) Effective
- (e) Equal

Directions (81-85): Study the following information and answer the related questions:

Seven boxes are placed one above the other. They all of are of different weight (only integer value). Total weight of all the boxes is 215kg. No box is less than 24kg and more than 37kg.

Only two boxes are placed above box L whose weight is a multiple of 7. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L. One box is placed between box L and box F. Weight of box F is a square number. Weight of box B is a prime number which is placed just above box F. Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. G's weight is not an even number. Total weight of box T and box G is 63kg. More than three boxes are placed below box C.

Q81. Which box is placed just above box T?

- (a) D
- (b) F
- (c) L
- (d) C
- (e) None of these

Q82. The weight of the box which is placed just below G is ___ kg?

- (a) 36
- (b) 31
- (c) 29
- (d) 28
- (e) None of these

Q83. How many boxes are placed between box T and box C?

- (a) More than three
- (b) Two
- (c) One
- (d) Three
- (e) None

Q84. How many boxes have more weight than B?

- (a) One
- (b) Two
- (c) Four
- (d) Five
- (e) None of these

Q85. Which among the following combination of box and weight is correct?

- (a) B-31kg
- (b) G-28kg
- (c) T-32kg
- (d) D-33kg
- (e) F-25kg

Directions (86-89): In each of the following questions, some statements are given followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q86.

Statements:

$B < Q \leq F \geq O = P \geq R; O \leq N \leq D > J$

Conclusion

I: $D \geq Q$

II: $B < P$

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follows

Q87. Statements:

$V > M = Y \geq A \geq E \leq P < R = G \leq C$

Conclusion

I: $G > M$

II: $Y \geq R$

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follows

Q88. Statements:

$E \leq P \leq K = G < U \leq R = S \geq H$

Conclusion

I: $R > G$

II: $S > E$

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follows

Q89. Statements:

$L > N < T \leq F \geq W \geq O = Y; J \geq S = G \geq F < X$

Conclusion

I: $X > L$

II: $O \leq S$

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusion I and II follows

Directions (90-94): Words and numbers are arrangement machines when given an input line of numbers rearrange them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input: Engage Bean 15 92 Cramp Dream 21 45 Glue 33

Step I: Bean 45 Engage 15 92 Cramp Dream 21 Glue 33

Step II: Bean 45 Cramp 92 Engage 15 Dream 21 Glue 33

Step III: Bean 45 Cramp 92 Dream 33 Engage 15 21 Glue

Step IV: Bean 45 Cramp 92 Dream 33 Engage 15 Glue 21

And step IV is the last step of the arrangement. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the given input:

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Q90. How many words are between "38" and "Peace" in the last step?

- (a) Five
- (b) Four
- (c) Three
- (d) None
- (e) Two

Q91. How many steps are required to complete the arrangement?

- (a) Six
- (b) Three
- (c) Four
- (d) Five
- (e) None of these

Q92. Which of the following element is second to the left of the element which is third from the right end in step IV?

- (a) Peace
- (b) Keep
- (c) 42
- (d) 17
- (e) Neat

Q93. What is the sum of the elements which are third from the right end in step III and second from the left end in step II?

- (a) 68
- (b) 105
- (c) 80
- (d) 70
- (e) 89

Q94. As many elements are arranged to the left of "Lake" in step IV is the same as the number of elements are arranged to the right of ___ in step II?

- (a) 17
- (b) Neat
- (c) Lake
- (d) 38
- (e) Keep

Directions (95-99): Study the following information carefully and answer the questions given below.

Ten persons i.e. A, B, C, D, E, F, G, H, I and J are living in two different flats viz. Flat 1 and Flat 2 of a five-floor building such that the lowermost floor is numbered as 1 and the floor just above it is 2 and so on, but not necessarily in the same order. Flat 1 is to the east of flat 2 whereas flat 1 of floor 2 is immediately above flat 1 of floor 1 and flat 2 of floor 2 is immediately above flat 2 of floor 1.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat. The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor.

Q95. Who among the following person lives two floors above A's flat?

- (a) B
- (b) C
- (c) J
- (d) D
- (e) None of these

Q96. In which of the following flat and floor does H live?

- (a) Flat 1, floor 4
- (b) Flat 2, floor 5
- (c) Flat 1, floor 5
- (d) Flat 2, floor 2
- (e) None of these

Q97. If C is related to I and in the same way J is related to H, then who among the following is related to D?

- (a) B
- (b) E
- (c) F
- (d) G
- (e) None of these

Q98. Four of the following five are alike in a certain way and hence form a group. Find the one that doesn't belong to the group?

- (a) F-C
- (b) E-J
- (c) D-G
- (d) A-I
- (e) I-B

Q99. How many floors are there between G and E?

- (a) One
- (b) Two
- (c) Three
- (d) Either one or two
- (e) None of these

Q100. Statement: There has been huge surge in covid cases, but some of the medicine's retailers are doing black marketing of medicines and medical equipment.

Course of Action:

I. Government should take proper legal action against them.

II. All those black marketers should be hanged.

III. Government should fix the rate of medicine and medical equipment.

- (a) Both I and II follow
- (b) Only I follow
- (c) Only I and III follow
- (d) Both II and III follow
- (e) All follow

Directions (101-105): Study the following information carefully and answer the below questions.

L 4 @ 1 # % A 2 D W ^ & S O 9 L 2 ! M < 5 % U Y 2 ^ 5 @ C

Q101. How many such numbers are there which are immediately preceded by a letter and immediately followed by a symbol?

- (a) Three
- (b) Four
- (c) One
- (d) Two
- (e) None of these

Q102. How many such letters are there which are immediately followed by a symbol but not immediately preceded by a number?

- (a) Three
- (b) Two
- (c) One
- (d) Four
- (e) None of these

Q103. How many such symbols are there which are immediately preceded by a letter and immediately followed by a number?

- (a) Three
- (b) One
- (c) Four
- (d) Two
- (e) None of these

Q104. Which of the following element would be 8th to the left of the element which is 3rd element from the right end?

- (a) %
- (b) 4
- (c) M
- (d) @
- (e) None of these

Q105. How many symbols are there between 8th element from the left end and 10th element from the right end?

- (a) Five
- (b) Seven
- (c) Six
- (d) Three
- (e) None of these

Directions (106-108): In the question below are given four statements followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Q106. Statements:

All cakes are bake.
Only a few bake is tasty.
Some tasty is not apple.
Only apples are yummy.

Conclusions:

I. Some cakes are tasty.
II. No yummy is bake.
III. Some apples are not cake.

- (a) Only I follow
- (b) Both II and III follow
- (c) Both I and III follow
- (d) Only II follow
- (e) None of these

Q107. Statements:

Only a few pens are pencil.
All pencil are white.
No white is clean.
Only a few clean is desk.

Conclusions:

I. Some pens are not clean.
II. All desk being white is a possibility.
III. No pens is desk.

- (a) Only I follow
- (b) Only III follow
- (c) Both I and II follow
- (d) Both II and III follow
- (e) None of these

Q108. Statements:

Only a few green is grass.
Some grasses are fresh.
No fresh is berry.
All berries are freeze.

Conclusions:

I. All green being fresh is a possibility.
II. Some freeze being fresh is a possibility.
III. No berry is green.

- (a) Only I follow
- (b) Only II follow
- (c) Both I and II follow
- (d) Both I and III follow
- (e) None of these

Directions (109-110): Below in each question are given two Statement I and II. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

Q109. I. The central government has started to build 500 beds with the help of DRDO in Mumbai after 5000 covid cases come in a single day.

II. Amid surge in covid cases two players of RCB have withdrawn their name from ongoing IPL cricket match.

Give answer-

- (a) If Statement I is the cause and Statement II is its effect.
- (b) If Statement II is the cause and Statement, I is its effect.
- (c) If both the Statements I and II are independent causes.
- (d) If both the Statements I and II are effects of independent causes.
- (e) If both the Statement I and II are effects of some common causes.

Q110. I. This year Bihar has record result of 98% in Intermediate Board Examination.

II. Transport facility has been improved in Bihar in recent years.

Give answer-

- (a) If Statement I is the cause and Statement II is its effect.
- (b) If Statement II is the cause and Statement, I is its effect.
- (c) If both the Statements I and II are independent causes.
- (d) If both the Statements I and II are effects of independent causes.
- (e) If both the Statement I and II are effects of some common causes.

Directions (111-115): Study the following information carefully and answer the questions given below-

Eight persons sit around a circular table in such a way four of them are facing the centre while four of them are facing outside the centre in a waiting lounge of an airport and watch different movies viz. Heropanti 2, Dasvi, Thar, Runway 34, Anek, Bhoorbhulaiyaa-2, Major and Madaan. G and the one who watches Bhoorbhulaiyaa-2 are not an immediate neighbour. B sits 3rd to the right of the one who watches Madaan. L sits immediate left of the one who watches Bhoorbhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. G watches Dasvi and sits opposite to the one who watches Heropanti 2. H watches Anek and sits 2nd to the left of D. K and B are not an immediate neighbour. M does not watch Thar.

Q111. How many persons sit between H and the one who watches Madaan?

- (a) Three
- (b) Four
- (c) Two
- (d) None of these
- (e) One

Q112. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) B- Bhoorbhulaiyaa-2
- (b) F- Major
- (c) H- Heropanti 2
- (d) K- Runway 34
- (e) D- Dasvi

Q113. ___ sits 3rd to the left of the one who watches Major?

- (a) K
- (b) B
- (c) L
- (d) M
- (e) H

Q114. Which of the following statement is true?

- I. K watches Thar
 - II. L faces inside
 - III. The ones who watches Major and Dasvi are immediate neighbour
- (a) Both II and III
 - (b) Only III
 - (c) Both I and II
 - (d) None is true
 - (e) All are true

Q115. Who among the following is an immediate neighbour of the one who watches Runway 34?

- (a) F
- (b) The one who watches Bhoorbhulaiyaa 2
- (c) K
- (d) Both K and the one who watches Bhoorbhulaiyaa 2
- (e) G

Directions (116-118): Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

Q116. What is the direction of D with respect to F?

Statement I: A is in West of B. C is in North-east of D. C is in South of B. F is in West of C.

Statement II: A is in North of E. F is in West of E. E is in North of B. D is in West of E.

- (a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) if the data given in both statements I and II together are not sufficient to answer the question.
- (e) if the data in both statements I and II together are necessary to answer the question.

Q117. In a five membered family, who is tallest person?

Statement I: Equal number of persons is shorter and taller than Daya. Arti is shorter than Arnav who is not the tallest. Jaya is just taller than Subhangi.

Statement II: Two persons between Arti and Arnav. Subhangi is taller than Jaya and shorter than Daya. Jaya is not the shortest person.

- (a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) if the data given in both statements I and II together are not sufficient to answer the question.
- (e) if the data in both statements I and II together are necessary to answer the question.

Q118. Six persons sit in circular table facing towards centre. Who sits immediate left of P?

Statement I: L sits two places away from B. One person sits between B and Q. K sits immediate right of Q but not sit near to B.

Statement II: P sits 2nd to the right of C. B sits 3rd to the left of C but not sit near to K.

- (a) if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- (b) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- (c) if the data either in statement I alone or in statement II alone are sufficient to answer the question.
- (d) if the data given in both statements I and II together are not sufficient to answer the question.
- (e) if the data in both statements I and II together are necessary to answer the question.

Directions (119-122): Study the following information and answer the questions that follow:

There are seven members i.e. A, B, C, D, E, F and G in a family having three generation. There are two married couple in the family. They all have different profession viz. Clerk, Po, Manager, Assistant manager (AM), CEO, MD and Cashier. All the data was not necessarily in the same order.

A is the maternal grandfather of the one who is MD. F is the father of C and son-in-law of E who is the manager. Not more than one person in third generation. A has only two daughters. Those who are clerk and AM are married with each other. F is not AM. G is the brother-in-law of D who is unmarried. The one who is cashier is neither E's spouse nor E's child. The one who is PO is older than the one who is CEO. The gender of B and C is same.

Q119. Who among the following is the mother of C?

- (a) D's sister
- (b) E's wife
- (c) G's sister
- (d) F's sister
- (e) None of these

Q120. If the person who is PO is older to E, then How many persons are definitely younger to the one who is Manager?

- (a) Four
- (b) Five
- (c) One
- (d) Two
- (e) Can't be determined

Q121. Who among the following is the Assistant manager (AM)?

- (a) D
- (b) A
- (c) B
- (d) G
- (e) C

Q122. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) A
- (b) E
- (c) B
- (d) D
- (e) C

Directions (123-124): There are two rows given and to find out the resultant of a particular row we need to follow the following steps: -

Step 1: If an odd number is followed by an even number, then the resultant will be the addition of both the numbers.

Step 2: If an even number is followed by a perfect cube (excluding 1) then the resultant will be the positive difference of that cube number and the even number.

Step 3: If an even number is followed by another even number (but not a perfect cube) then the resultant will be the addition of both the numbers.

Step 4: If an even number is followed by an odd number (but not a perfect cube) then the resultant comes by multiplying the numbers.

Step 5: If an odd number is followed by another odd number, then the resultant will be the division of first number by the second number.

Q123. Find the sum of the resultant of two rows?

19 8 9

14 17 6

- (a) 247
- (b) 244
- (c) 243
- (d) 246
- (e) None of these

Q124. Find the difference between the resultant of first and second row?

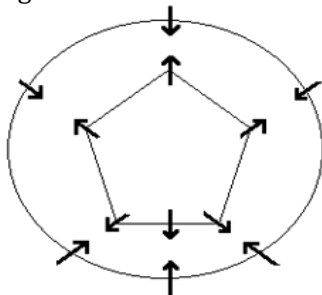
6 6 3

11 2 13

- (a) 36
- (b) 34
- (c) 32
- (d) 37
- (e) None of these

Directions (125-129): Study the following information carefully and answer the questions given below-

Twelve students eat their breakfast in Hostel XY according to the given inscribed table below.



T faces to C who sits 4th to the left of L. W does not face the one who sits at any of the corner of a table. Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. One person sits between U and V who does not face Q. X and Q sit on the different table. Y sits immediate left of S who sits 5th to the right of W. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. R and P does not sit on the same table. U does not face R.

Q125. Who among the following sits 5th to the right of C?

- (a) V
- (b) U
- (c) X
- (d) R
- (e) None of these

Q126. ___ sits 2nd to the left of the one who faces to ___?

- (a) W, C
- (b) R, L
- (c) V, Y
- (d) P, R
- (e) None of these

Q127. How many persons sit between T and W when, counted to the left of W?

- (a) Three
- (b) None
- (c) One
- (d) Two
- (e) None of these

Q128. Which of the following pair/group of persons sit on the same table?

- (a) L, V, S
- (b) T, Q, Y
- (c) R, X, P
- (d) Q, L, T
- (e) None of these

Q129. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) C
- (b) V
- (c) R
- (d) U
- (e) X

Directions (130-131): Dismissing four petitions challenging the collection of fine in cars when the drivers were found without a mask, the Delhi high court said it is mandatory to wear a mask in a private car even when the driver is alone in the car, as a vehicle is considered a public place. The high court said a mask acts as Suraksha Kavach, which would prevent the spread of the deadly virus.

Q130. Which of the following diminish the verdict issued by Delhi High Court?

- (a) There will be penalty if anyone will break the rules to wear mask.
- (b) Delhi government has decided to distribute masks at public places.
- (c) Mask is not compulsory for police personnel if they are driving alone.
- (d) Delhi Transport department has also made compulsory to wear masks in DTC buses and DMRC.
- (e) Both (B) and (D)

Q131. Which of the following can be hypothesized from the above statement?

- (I) People will follow the rules to wear mask even they are alone in car.
- (II) Awareness among people will be spread as court has termed “Suraksha Kavach” to mask.
- (III) Less car will be seen on the roads of Delhi after verdict of High Court.
- (a) Only III
- (b) Only I and II
- (c) Only II and III
- (d) Only II
- (e) All I, II & III

Directions (132-135): Study the following information carefully and answer the questions given below-

In a certain code language:

“Shopping malls summer season” is coded as “T24V H1P I26V M21V”

“Wooden work on shoe” is coded as “M35Z P15Z M15R V20V”

“Leather jacket feel awesome” is coded as “I11O G6M O10I V26D”

“Jurassic Park dragon flies” is coded as “X31M P1S M16G H14I”

Q132. What is the code for “Home minister” in the given code language?

- (a) K20V N21P
- (b) V20K I23P
- (c) V21K I20P
- (d) I13P K20V
- (e) None of these

Q133. The code “M10J V11S” is coded as for ___?

- (a) Green Peas
- (b) Greek word
- (c) Green peace
- (d) Greece state
- (e) None of these

Q134. What is the code for “Revolution” in the given code language?

- (a) M65U
- (b) U35M
- (c) M45U
- (d) M60U
- (e) None of these

Q135. What is the code for “Perfect match” in the given code language?

- (a) F10R R10P
- (b) G1S S10P
- (c) S1P G1S
- (d) G10S S1P
- (e) None of these

Directions (136-140): Study the following information carefully and answer the questions given below-

Six persons sit around an equilateral triangular table facing the centre. Two persons sit in each middle side of a table. Each of them paints their house with different colour. M does not paint his house with White and Green but sits 3rd to the left of the one who paint his house with Grey. The one who paint his house with green sits immediate right of F but both sit at different side of table. F does not paint his house with Grey. The one who paint his house with Black sits immediate right of P who sits immediate right of L. L neither an immediate neighbour of F nor the one who paint his house with Grey. S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black. The one who paint his house with Magenta is an immediate neighbour of N and the one who pain this house with Red.

Q136. How many persons sit between M and the one who paint his house with Grey, when counted to the left of M?

- (a) None
- (b) Two
- (c) Three
- (d) Four
- (e) None of these

Q137. ___ paint his house with magenta?

- (a) M
- (b) L
- (c) F
- (d) P
- (e) None of these

Q138. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

- (a) F-White
- (b) S-Magenta
- (c) P-Red
- (d) L-Grey
- (e) N-Magenta

Q139. Which of the following pair of persons sit at the same side of a table?

- (a) F-M
- (b) S-P
- (c) N-L
- (d) M-S
- (e) P-F

Q140. What is the position of the one who paint his house with black with respect to the one who paint his house with green?

- (a) Immediate left
- (b) 3rd to the left
- (c) Immediate right
- (d) Both 3rd to the left and 3rd to the right
- (e) 3rd to the right

Directions (141-147): Read the passage carefully and answer the given question based upon that

The pattern of living arrangements of older adults in North East India is explored. The study is conducted on the basis of the 60th round of the National Sample Survey Office. We observe extreme dissimilarity in the pattern of the elderly living arrangements for the north-eastern states. The demographic variables like age, sex, marital status and number of surviving children become important contributor for the elderly living arrangements.

The world has experienced an increase in human life expectancy due to a decline in both fertility and mortality, and India is no exception to it. In India, at the beginning of the 20th century, life expectancy was about 25 years, which increased to 66 years at the present time. As a result, the number of older adults increased to 8% in 2011 and is expected to increase by another 12.6% in 2026. The alarming rate of increase in the number of older people is a matter of concern for policymakers, especially with regard to the pattern of living arrangements of the elderly. It is worth mentioning here

that the elderly or old age is in line with the National Policy on Older Persons adopted by Government of India in January 1999. The policy defines and identifies a person whose age is 60 years or above as “senior citizen” or “elderly.”

The changes in the age structure and the switch from joint family to nuclear family are a source of concern for the support and care of older adults in India. This is because, with the increase in the older population, there is a simultaneous decline in the number of younger family members to take care of the older adults. Moreover, in India, home-based care from family members as primary caregivers is first and often the only option for a majority of older adults. In fact, most elderly parents prefer to live with their children or family than to live alone and also expect some material assistance and social support. In the absence of familial support, the older adults often prefer to stay in old-age homes, provided they are economically **affordable**. However, in India, there are very few old-age homes for the deprived and the poor elderly run by the state and central governments. In India, the institutionalization of the aged is not popular and these facilities are not accessible, especially to the rural areas. In such a situation, the living arrangements of these older adults are of great concern. It refers to a type of family in which the elderly live, the headship they enjoy, the place they stay in and the people they stay with, the kind of relationship they _____ with their kith and kin and, on the whole, the extent to which they adjust to the changing environment.

Q141. Which of the following observations was/were evident from the 60th round of National sample survey?

- (a) The north eastern states have shown a visible difference in the living arrangements of the elderly population.
- (b) The north eastern states of India are performing consistently well on the scale of sustainable development goals.
- (c) Age, sex, marital status and number of children are some of the few important determinants of elderly living arrangements.
- (d) Only (A) and (B)
- (e) Only (A) and (C)

Q142. Which of the following is/are NOT contributor(s) in increasing the human life expectancy as per the given passage?

- (a) Decline in fertility
- (b) Lowering mortality
- (c) genetics
- (d) Only (A) and (B)
- (e) Only (B) and (C)

Q143. Which of the following is NOT true as per the given passage?

- (a) In India, the life expectancy has increased dramatically from the beginning of the 20th century to up till now.
- (b) As a result of increased life expectancy, the number of older populations has also increased to 8% in 2011.
- (c) With the increase in the older population, the number of youngsters to look after older adults in the family is decreasing concurrently
- (d) The national policy on older population identifies an individual who is 60 years or above as a senior citizen.
- (e) None of these

Q144. Why India's transition in the age structure and joint family to nuclear family has become a matter of concern for elderly care?

- (a) With increase in the number of older populations and the decline in number of younger generations the concern for elderly care has become more prominent.
- (b) In India, family members are mostly preferred, sometimes without any alternative, as the primary caregivers for the elderly.
- (c) As India's older generations are more inclined towards a living arrangement with their family members than a secondary care home.
- (d) Only option (a) and (b)
- (e) All of these

Q145. Why the living arrangements of economically weaker and rural based older population are of a great concern?

- (a) In India, the concept of old age homes is not that popular and is also not widely available in rural areas.
- (b) Though there are states and central government run old age homes available for deprived, their numbers are limited.
- (c) In rural areas, people choose to stay in community halls which are available to assist the economically weaker ones.
- (d) Only (a) and (b)
- (e) All of these

Q146. Which of the following words can fit into the given blank provided in the passage ?

- (a) maintain
- (b) allege
- (c) sustain
- (d) advocate
- (e) None of these

Q147. Which of the following can be termed as the opposite of "affordable" mentioned in the passage?

- (a) modest
- (b) reasonable
- (c) fair
- (d) expensive
- (e) thrifty

Directions (148-152): In each question two words are omitted. Choose the set of words from the given options that can fit the given blanks appropriately without altering the meaning of the sentence.

Q148. With Russia's military appearing to make little _____ in capturing key targets, fears are growing that Mr. Putin may _____ to even more drastic means to turn the tide.

- (a) passage, resonate
- (b) headway, resort
- (c) influx, resonate
- (d) passage, retract
- (e) None of these

Q149. Opposition members _____ that the Bill was beyond the legislative competence of Parliament as it _____ fundamental rights of citizens, including the right to privacy.

- (a) argued, violated
- (b) planned, allowed
- (c) perpetuated, nullify
- (d) proposed, terminate
- (e) None of these

Q150. A deep-tech healthcare start-up _____ at IIT Delhi, said it had developed an affordable medical textile called Fabium, which _____ 99.9% of the bacteria and viruses within 30 minutes.

- (a) incubated, destroys
- (b) formulated, facilitate
- (c) origin, kills
- (d) postulated, destroys
- (e) None of these

Q151. Prime Minister Imran Khan showed on Sunday that the passionate base of his Pakistan Tehreek-e-Insaf (PTI) remained _____ when tens of thousands of people _____ at Islamabad's Parade Ground to attend his rally.

- (a) jabbered, gave up
- (b) foreseen, appeared
- (c) enclosed, showed
- (d) intact, turned up
- (e) None of these

Q152. There is a need for greater scientific _____ on the impact of climate change in general and on fisheries in _____.

- (a) remedy, particular
- (b) method, general
- (c) research, particular
- (d) study, residual
- (e) None of these

Directions (153-157): Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a paragraph; then answer the questions given below them.

(A) Attaining rapid economic growth is one of the key goals of fiscal policy formulated by the Government of India (GoI).

(B) To meet additional expenditures, the government needs to borrow domestically or from overseas and alternatively, the government may also choose to draw upon its foreign exchange reserves or print additional money.

(C) In recent times, its importance has been increased to achieve economic growth swiftly, both in India and across the world.

(D) Fiscal policy is the guiding force that helps a government decide how much money it should spend to support its economic activity, and how much revenue it must earn from the system, to keep the wheels of the economy running smoothly.

(E) Through the fiscal policy, the GoI controls the flow of tax revenues and public expenditure to navigate the economy.

(F) If the GoI receives more revenue than it spends, it runs a surplus, while if it spends more than the tax and non-tax receipts, it runs a deficit.

Q153. Which of the following will be the third statement after rearrangement?

- (a) B
- (b) A
- (c) D
- (d) E
- (e) C

Q154. Which of the following will be the first statement after rearrangement?

- (a) B
- (b) A
- (c) D
- (d) E
- (e) C

Q155. Which of the following will be the fifth statement after rearrangement?

- (a) B
- (b) A
- (c) D
- (d) F
- (e) C

Q156. Which of the following will be the second statement after rearrangement?

- (a) B
- (b) A
- (c) D
- (d) F
- (e) C

Q157. Which of the following will be the last statement after rearrangement?

- (a) B
- (b) A
- (c) D
- (d) F
- (e) C

Q158. In each question, three sentences are given in which some may or may not have errors in them. Choose the sentence(s) from given options that contain(s) error. If all the given sentences are correct, choose "all are correct" as your answer choice.

(A) Assam and Meghalaya have partially resolved a 50-year-old border dispute in six of the 12 sectors along their 885-km boundary.

(B) India will set up hybrid power projects in three islands off Jaffna, effectively replaced the Chinese venture cleared by Colombo last year.

(C) The DDA cited the third wave of COVID-19 infections as the reason for a dip in public response and extended the deadline of the scheme.

- (a) Only (A)
- (b) Only (B)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All are correct

Q159. In each question, three sentences are given in which some may or may not have errors in them. Choose the sentence(s) from given options that contain(s) error. If all the given sentences are correct, choose “all are correct” as your answer choice.

(A) The decision to conduct a Common University Entrance Test (CUET) for admission in undergraduate programmes in all UGC-funded Central Universities (CUs) from 2022-23 has triggered concerns.

(B) The economic and strategic significant of the Bay of Bengal is growing rapidly with a re-emergence of the idea of the ‘Indo-Pacific’ region.

(C) As the BIMSTEC process turn 25 years, it is all set to make visible progress through advancing concrete cooperation among the member states.

- (a) Only (A)
- (b) Only (B) and (C)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All are correct

Q160. In each question, three sentences are given in which some may or may not have errors in them. Choose the sentence(s) from given options that contain(s) error. If all the given sentences are correct, choose “all are correct” as your answer choice.

(A) It is regrettable that the State government is not doing enough to stem the impression that its administration is hostile towards minorities.

(B) A total of 80 animal-driven carts have been replaced with e-rickshaws since the project was launched in 2018

(C) In 2021, the MHA informed a parliamentary panel that agricultural land is being protected for agriculturists of J&K on similar lines as that of Uttarakhand and Himachal Pradesh.

- (a) Only (A)
- (b) Only (B) and (C)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All are correct

Q161. In each question, three sentences are given in which some may or may not have errors in them. Choose the sentence(s) from given options that contain(s) error. If all the given sentences are correct, choose “all are correct” as your answer choice.

(A) There is widespread resentment against the government’s handling of the economy, which the Opposition has tried to capture by mobilizing support for the no-trust motion.

(B) In just the last one month, the ripple effects of the war in Ukraine on our economy and democracy make it imperative for us to continuously engage with the world around us.

(C) Within the country it is even more important that the conflicting aspirations are managed and harmonized to present a united, confident and self-reliant India.

- (a) Only (A)
- (b) Only (B) and (C)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All are correct

Q162. In each question, three sentences are given in which some may or may not have errors in them. Choose the sentence(s) from given options that contain(s) error. If all the given sentences are correct, choose “all are correct” as your answer choice.

(A) Atmanirbhar Bharat is a human-centric way forward based on our own civilizational ethos and values.

(B) This is a time when the legitimate aspirations of the diverse peoples of our country need to be reconciled, and differences overcome.

(C) The pandemic has showed us that whether it is the stressed economy or human rights, we need to re-imagine the way forward for India and its relationship with the world.

- (a) Only (A)
- (b) Only (B) and (C)
- (c) Only (C)
- (d) Only (A) and (C)
- (e) All are correct

Directions (163-165): In each question, an idiom or phrase is given and with respect to that, three sentences are provided containing that idiom or phrase. Choose the correct sentence(s) that has/have the appropriate usage.

Q163. Work out

- (A) I was out of options if it didn't **work out** here.
 (B) He saw a psychologist to help him **work out** his depression.
 (C) We began the **workout** by swinging our arms.
 (a) Only (A)
 (b) Only (B) and (C)
 (c) Only (C)
 (d) Only (A) and (C)
 (e) All are correct

Q164. Lose touch

- (A) I've been so sleep deprived lately that it feels like I've **lost my touch!**
 (B) He used to be one of the league's elite shooters, but it seems like he's **lost his touch.**
 (C) Unfortunately, my college roommate and I **lost touch** over the years, so I have no idea how she's doing now.
 (a) Only (A)
 (b) Only (B) and (C)
 (c) Only (C)
 (d) Only (A) and (C)
 (e) All are correct

Q165. Wear your heart on your sleeves

- (A) You don't have to **wear your heart on your sleeve**, but you should be willing to talk about your feelings to a certain extent.
 (B) If you try to **wear your heat on your sleeves**, her song is actually about nature.
 (C) Catching the two thieves together on a jam-packed road was no less than **wear your heart on sleeves** for the policeman.
 (a) Only (A)
 (b) Only (B) and (C)
 (c) Only (C)
 (d) Only (A) and (C)
 (e) All are correct

Directions (166-170): In each of the questions given below four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it then select option (e) as your choice

- Q166.** Non-judgmental **understanding** (A) of how students **capture** (B) everyday will enable us to **learn** (C) the leading-edge behavior, something that individuals do to **adapt** (D) to changes.
 (a) Only (A)-(C)
 (b) Only (B)-(C)
 (c) Only (A)-(D) and (B)-(C)
 (d) Only (B)-(D)
 (e) No interchange needed

- Q167.** This tendency itself has **envisaged** (A) a deep crisis for those with lower educational qualifications who **strive** (B) for the more modest government jobs, and for whom such **employment** (C) has traditionally been **rendered** (D).
 (a) Only (A)-(D)
 (b) Only (B)-(C)
 (c) Only (A)-(D) and (B)-(C)
 (d) Only (B)-(D)
 (e) No interchange needed

- Q168.** In the **rhetoric** (A) of a large number of skilled and overqualified people **unemployment** (B) in the throes of **languishing**, (C) the shrill **backdrop** (D) of 'Skill India' rings hollow.
 (a) Only (A)-(D)
 (b) Only (B)-(C)
 (c) Only (A)-(D) and (B)-(C)
 (d) Only (B)-(D)
 (e) No interchange needed

- Q169.** One index of **mounting** (A) job insecurity and unemployment is the **arbitrary** (B) enhancement of educational qualifications **stipulated** (C) for recruitment into better-paid government jobs, as well as new **criteria** (D) for admission into professional training institutions.
 (a) Only (A)-(D)
 (b) Only (B)-(C)
 (c) Only (A)-(D) and (B)-(C)
 (d) Only (B)-(D)
 (e) No interchange needed

Q170. Using a **display** (A) that supports VRR **technology**, (B)players can expect **visuals** (C)and lag-free **smooth** (D)in fast-paced games.

- (a) Only (A)-(D)
- (b) Only (B)-(C)
- (c) Only (A)-(D) and (B)-(C)
- (d) Only (C)-(D)
- (e) No interchange needed

Directions (171-175): Table given below shows data of five institutes regarding number of girls students, percentage of boys and number of students (boys + girls) under one mentor. Study the data given below carefully and answer the following questions.

Institute	Number of Students under one mentor	Number of girls	Percentage of Boys
A	8	80	60%
B	15	144	68%
C	16	176	45%
D	24	108	70%
E	25	90	64%

Q171. Total number of mentors in institute D is what percent more or less than total number of mentors in institute A?

- (a) 20%
- (b) 160%
- (c) 80%
- (d) 60%
- (e) 40%

Q172. In institute E, total number of girls increase by 60% & boys increase by 35%, while number of students under one mentor increases by 20%. Find how many more mentors are required in institute E?

- (a) No more mentors required
- (b) 1
- (c) 2
- (d) 3
- (e) 4

Q173. Total number of students in institute B and C together is how much more than total number of students in institute D and E together?

- (a) 130
- (b) 140
- (c) 150
- (d) 160
- (e) 170

Q174. If out of total mentors in institute C, 65% are females, then find the number of male mentors in institute C.

- (a) 5
- (b) 7
- (c) 9
- (d) 11
- (e) 13

Q175. Total number of students in another institute F is 15% more than that of in institute D, while number of students under one mentor is 20% more than that of in institute B. Find number of mentors required in institute F.

- (a) 17
- (b) 19
- (c) 21
- (d) 23
- (e) 25

Directions (176-177): Study the following information carefully & answer the following questions.

There are two containers A and B which contain mixture of milk and water. Container A contains 400 L of mixture of Milk and Water in the ratio of $x:3$ and another container B contains 250 L of mixture of Milk and Water in the ratio of 3:2.

Q176. If mixtures of A and B are mixed in another empty container C such that ratio of milk to water in C becomes 8:5 then find x?

- (a) 5
- (b) 3
- (c) 8
- (d) 9
- (e) 7

Q177. If 40% of mixture A and 40% of mixture B is replaced with water and then both mixtures A & B are mixed in another empty Container D, find the quantity of milk in container D? (Use value of x obtained in que. 176)

- (a) 210L
- (b) 160L
- (c) 240L
- (d) 250L
- (e) 225L

Q178. A boat can travel 'x' km upstream in 4 hours and 'y' km downstream in 3 hours. If the speed of boat in still water is 5 km/hr and the boat can travel a distance of 'x+y' km downstream in 4 hours, then find the speed of stream?

- (a) 2 km/hr
- (b) 5 km/hr
- (c) 4 km/hr
- (d) 3 km/hr
- (e) None of these

Q179. Length of train A is 25% more than length of train B and speed of train A is 90 km/hr. If train A crosses a pole in 12 seconds and train B crosses train A in 36 seconds while running in same direction, then find time taken by train B to cross a 400 meters long platform (speed of train B is more than speed of train A).

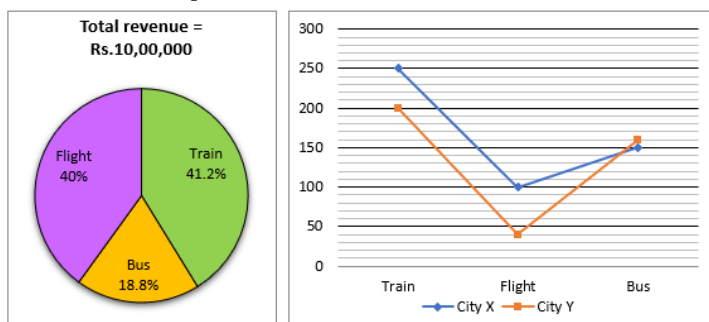
- (a) 10 seconds
- (b) 12 seconds
- (c) 15 seconds
- (d) 16 seconds
- (e) 18 seconds

Q180. A Cone and a Cylinder have equal bases and height of Cone is two times to that of Cylinder. If Volume of Cylinder is 3234 cm³ more than that of the Cone, then find out the Volume of Cylinder?

- (a) 9702 cm³
- (b) 7232 cm³
- (c) can't be determined
- (d) 9456 cm³
- (e) none of these

Directions (181-186): Study the charts given below and answer the following questions.

Pie chart shows the percentage distribution of total revenue from sales of tickets of three different transport facilities (train, bus & flight) in two different cities (X & Y) together and line chart shows the number of tickets sold of these 3 transports in these 2 cities.



Q181. If price of each ticket of Flight in city X is 60% of each ticket of flight in city Y, then revenue of city Y from flights tickets is how much more than the revenue of city X from flights tickets.

- (a) Rs.100000
- (b) Rs.120000
- (c) Rs.180000
- (d) Rs.60000
- (e) Rs.80000

Q182. If price of each ticket of train in city Y is Rs.260 more than price of each ticket of train in city X, then find total revenue of city Y from train tickets is what percent more or less than total revenue of city X from train tickets?

- (a) 4%
- (b) 9%
- (c) 6%
- (d) 14%
- (e) 15%

Q183. If ratio of economy tickets to business class tickets of flight sold in city X and city Y is 3 : 1 and 5 : 3 respectively, then find average of economy tickets of flight sold in these two cities is how much more or less than average of bus tickets sold in these two cities?

- (a) 85
- (b) 100
- (c) 140
- (d) 105
- (e) 150

Q184. If revenue of city Y from bus tickets is 133 $\frac{1}{3}$ % more than revenue of city X from bus tickets, then find the difference in per bus ticket price in city X and city Y.

- (a) Rs.300.5
- (b) Rs.250.5
- (c) Rs.446.5
- (d) Rs.424.5
- (e) Rs.358.5

Q185. Find ratio of bus tickets and train tickets together sold in city X to bus tickets and flight tickets together sold in city Y.

- (a) 5 : 2
- (b) 2 : 1
- (c) 1 : 2
- (d) 2 : 5
- (e) None of the above.

Q186. If ratio of per ticket price of flight in city X to that of in city Y is 4 : 15 and in next year per ticket price of flight in city X and city Y increased by 40% and reduced by 50% respectively, then find total revenue of city X & city Y together from flights in next year. (In lacs)

- (a) Rs.3.62
- (b) Rs.3.44
- (c) Rs.3.28
- (d) Rs.3.54
- (e) Rs.3.76

Q187. 45 women can complete a piece of work on time while 30 women can complete the same amount of work in 8 more days. Find in how many days 25 women can complete the 5/8 of the total work.

- (a) 12 Days
- (b) 25 Days
- (c) 10 Days
- (d) 18 Days
- (e) 8 Days

Q188. Two shopkeepers earn a profit of 20% each by selling their respective article but one shopkeeper calculate his profit% on cost price and another shopkeeper on selling price. The sum of profits earned by them is Rs.220. If the selling price of both articles is same. Find the selling price.

- (a) Rs.660
- (b) Rs.540
- (c) Rs.450
- (d) Rs.600
- (e) Rs.720

Directions (189-190): The following questions are accompanied by two statements (I) and (II). You have to determine which statements(s) is/are sufficient/necessary to answer the questions.

Q189. Ayush, Asif and Aman entered into a partnership. Find the amount invested by Ayush in the partnership.

I. Ratio of amount invested by Aman, Ayush and Asif is 3:6:4 respectively and Ayush invested for 8 months. Ratio of period of investment of Aman, Ayush and Asif is 6:4:3 respectively.

II. At the end of the year, profit share of Aman is Rs.1000 more than Asif and profit share of Ayush is Rs.1000 more than Aman.

- (a) Only statement I is sufficient
- (b) Only statement II is sufficient
- (c) Statement I and II both together are sufficient
- (d) Either statement I or Statement II alone is sufficient
- (e) Neither statement I nor statement II is sufficient

Q190. How many children are required to complete the work in 20 days, if efficiency of a child is 75% less than efficiency of a man?

I. (a + 3) men can complete a piece of work in (a + 8) days and (14+a) men can complete same piece of work in 50 days.

II. Efficiency of a man is 60% more than efficiency of a woman who can complete the work in 240 days

- (a) Only statement I is sufficient
- (b) Only statement II is sufficient
- (c) Statement I and II both together are sufficient
- (d) Either statement I or Statement II alone is sufficient
- (e) Neither statement I nor statement II is sufficient

Directions (191-194): In each of these questions, two equations (I) and (II) are given, you have to solve both the equations and give answer.

Q191.

I. $6x^2 + 19x + 15 = 0$

II. $15y^2 - 32y - 7 = 0$

- (a) if $x = y$, or relationship between x and y can't be established.
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x > y$
- (e) if $x \leq y$

Q192.

I. $\sqrt{289}x + \sqrt{225}y = 125$

II. $\sqrt{361}x + \sqrt{25}y = 15$

- (a) if $x = y$, or relationship between x and y can't be established.
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x > y$
- (e) if $x \leq y$

Q193.

I. $14x - \frac{6}{x} = 17$

II. $14y + \frac{36}{y} = 45$

- (a) if $x = y$, or relationship between x and y can't be established.
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x > y$
- (e) if $x \leq y$

Q194.

I. $24x^2 - 16x + 2 = 0$

II. $6y^2 - 25y + 14 = 0$

(a) if $x = y$, or relationship between x and y can't be established.

(b) if $x \geq y$

(c) if $x < y$

(d) if $x > y$

(e) if $x \leq y$

Q195. Dharam invested Rs.10000 in two schemes for two years and both schemes offer R% S.I. If difference between S.I. earned on both schemes is Rs.480 and ratio of interest earned from both schemes is 3 : 2. Then, find the value of R?

(a) 15 %

(b) 10 %

(c) 20 %

(d) 16 %

(e) 12%

Directions (196-200): Study the passage given below and answer the following questions.

There are four trains - A, B, C and D. Each train has different length and different speed. Length of train-D is equal to average of length of train - A & C. Train - A is 60m longer than train - C. Ratio of length of train - D to train - B is 3 : 4.

Speed of train-B is equal to sum of speed of train - A and train - D. Speed of train - C is 20% more than speed of train - D. Ratio of speed of train - A to that of train - C is 5 : 4.

Train - C can cross a pole and 240 meters long platform in 6 seconds and 18 seconds respectively.

Note - Speed of all trains is in km/hr. and length of all trains is in meters.

Q196. Find in what time train - D will cross a man who is running at 12 km/hr. in the opposite direction of train?

(a) 9 seconds

(b) 10.5 seconds

(c) 5 seconds

(d) 7.5 seconds

(e) 12 seconds

Q197. Find in what time train - A will cross train - C while running in opposite direction?

(a) $6\frac{2}{3}$ Seconds

(b) $12\frac{1}{2}$ seconds

(c) $5\frac{1}{3}$ Seconds

(d) 10 Seconds

(e) 8 Seconds

Q198. Train-D leaves city-X for city-Y and train-B leaves city-Y for city-X. Train-D leaves at 3:00 P.M. and train-B leaves after 5 hours from train-D. If both train meets each other at 11:00 P.M., then find distance between city-X and city-Y.

(a) 890 km

(b) 920 km

(c) 860 km

(d) 930 km

(e) 950 km

Q199. If train-E is 60 meters long than the average length of train-A & B and speed of train-E is 40% more than speed of train-D, then find in what time train-E will cross 100 meters long platform?

(a) 12 seconds

(b) 15 seconds

(c) 20 seconds

(d) 7 seconds

(e) 10 seconds

Q200. If coaches of train-A are added into train-B due to which speed of train-B reduced by 20%, then find in what time train-B will cross train-D while running in opposite direction? (Length of engine of train-A is 20m)

(a) 11.2 seconds

(b) 12.8 seconds

(c) 10.2 seconds

(d) 12.4 seconds

(e) 13.6 seconds

Solutions**S1. Ans.(d)**

Sol. Health is NOT a priority sector.

Additional Information-

Priority Sector means those sectors which the Government of India and RBI consider as important for the development of basic needs of the country and are to be given priority over other sectors.

Categories

- Agriculture
- Micro Enterprises
- Advances to weaker sections
- Export Credit
- Education
- Housing
- Social Infrastructure

S2. Ans.(d)

Sol. Power Foundation is a think tank and a policy & research advocacy body under Ministry of Power.

Additional Information-

1. Power Foundation, Ministry of Power and Climate Policy Initiative India Pvt. Ltd. (CPI) have signed a Memorandum of Understanding (MoU).
2. To work together to support India's transition towards a cleaner energy future.
3. Power Foundation and CPI will work together to promote distributed renewable energy, capacity building, supporting India's energy transition, and managing transition-related risks.
4. It will provide overarching framework in the areas of sustainable development of the power sector.

S3. Ans.(c)

Sol. Atal Innovation Mission (AIM) – NITI Aayog has launched ATL Sarthi, a comprehensive self-monitoring framework to strengthen the ever-growing ecosystem of Atal Tinkering Labs.

Additional Information-

1. MyATL Dashboard: It is a self-reporting dashboard.
2. Compliance SOPs for schools: It will ensure financial and nonfinancial compliances.
3. **Cluster-based Approach:** For on-ground enablement of ATLS in collaboration with relevant local authorities.
4. **Performance-Enablement Matrix:** To provide ownership to schools to analyze their performance.

S4. Ans.(d)

Sol. Both (i) & (iii) are Incorrect.

Additional Information-

1. Ministry of Fisheries, Animal Husbandry & Dairying has released 'Basic Animal Husbandry Statistics 2022'.
2. To give overview of Animal Husbandry sector briefly in terms of important livestock statistics on livestock population, production and other information like animal diseases, infrastructure etc.
3. It is the primary source of data on production estimates of four Major Livestock Products Milk, Egg, Meat and Wool for year 2021-22.
4. During 2014-15 and 2020-21, the value addition of Livestock sector has grown at a compound annual growth rate of 7.93%.
5. In 2020-21, share of Livestock at constant prices in Agriculture Sector and total GVA was 30.13% and 4.9% respectively.

Milk Sector

1. Total milk production (2021-22): 221.06 million tonnes, an increase of 5.29% as compared to previous year.
2. Top five major milk producing States- Rajasthan (15.05%), Uttar Pradesh (14.93%), Madhya Pradesh (8.06%), Gujarat (7.56%), Andhra Pradesh (6.97%).
3. Per-capita availability of milk: It is 444 grams/day and has increased by 17 grams/day over previous year.

Egg Sector

1. Total egg production (2021-22): 129.60 billion numbers, an increase by 6.19% as compared to previous year.
2. Top five major egg producing States- Andhra Pradesh (20.41%), Tamil Nadu (16.08%), Telangana (12.86%), West Bengal (8.84%), Karnataka (6.38%)
3. Per-capita availability of egg: It is 95 nos/annum, an increase by 5 nos/annum over previous year.

Meat Sector

1. Total meat production (2021-22): It is 9.29 million tonnes, showed an annual growth rate of 5.62%.
2. Five major meat producing States- Maharashtra (12.25%), Uttar Pradesh (12.14%), West Bengal (11.63%), Andhra Pradesh (11.04%), Telangana (10.82%).
3. Per-capita availability of meat: It is 6.82 kg/annual during 2021-22, an increased by 0.30 kg/annual over previous year.

Wool Sector

1. Total wool production (2021-22): It is 33.13 thousand tonnes, which has declined by 10.30% as compared to previous year.
2. Top five major wool producing States- Rajasthan (45.91%), Jammu and Kashmir (23.19%), Gujarat (6.12%), Maharashtra (4.78%), Himachal Pradesh (4.33%).

S5. Ans.(a)

Sol. The government of Uttarakhand has approved a 10% horizontal reservation for statehood campaigners in state government positions.

About Uttarakhand-

1. Founded: 9 November 2000
2. Chief minister: Pushkar Singh Dhami
3. Official tree: Rhododendron arboreum;
4. Uttarakhand Capitals: Dehradun (Winter), Gairsain (Summer)

S6. Ans.(b)

Sol. The winners of the ICC Player of the Month awards for February 2023 have been revealed by the International Cricket Council (ICC), with Ashleigh Gardner of Australia being awarded the ICC Women's Player of the Month and Harry Brook of England recovering the ICC Men's Player of the Month titles.

S7. Ans.(a)

Sol. Indian Railways has set a target of becoming a 'net-zero carbon emitter' by 2030.

S8. Ans.(c)

Sol. After winning the 24th NordWest Cup 2023 at Bad Zwischenahn in Germany and defeating German IM Ilja Schneider, Indian chess player Vignesh NR became the 80th Grandmaster of India.

Additional Info-

The Chennai boy reached the milestone after crossing 2500 in the live ratings. Vignesh's elder brother Visakh NR had become India's 59th GM in 2019. Thus, Visakh and Vignesh become India's first brothers who are Grandmasters.

S9. Ans.(a)

Sol. Nepal and India have inked an agreement to increase the power import and export capacity through the Dhalkebar-Muzaffarpur transmission line from 600 megawatts to 800 megawatts.

Additional Info-

The meeting was co-chaired by Nepal's Joint Secretary at the Ministry of Energy, Water Resources and Irrigation, Madhu Prasad Bhetwal and Alok Kumar, Secretary at the Ministry of Electricity, India.

S10. Ans.(e)

Sol. Tata Motors will supply 25,000 XPREST electric vehicle units to Uber in one of the largest deals in the green mobility space till date.

Additional Info-

As per a memorandum of understanding inked between the two entities, Uber will utilize the electric sedans in its premium category service, the companies.

S11. Ans.(b)

Sol. A joint venture of Indian conglomerate Vedanta and electronics manufacturing giant Foxconn has finalised the Dholera Special Investment Region near Ahmedabad city of Gujarat.

Additional Info-

In the biggest ever corporate investment in the history of independent India, a joint venture of Vedanta and Foxconn in last year signed a Memorandum of Understanding (MoU) with the Gujarat government to invest Rs 1,54,000 crore to set up the plant in the state. This will be the first manufacturing facility for semiconductors in India.

S12. Ans.(d)

Sol. Union Cabinet has approved the signing of the Air Services Agreement between India and Guyana.

Additional Info-

The new Air Services Agreement will provide enabling environment for enhanced and seamless connectivity while providing commercial opportunities to the carriers of both sides.

S13. Ans.(c)**Sol. Interest earned on an NRO account is taxable at 30%.****Important Details-**

- The National Payments Corporation of India (NPCI) has instructed members of the Unified Payments Interface (UPI) ecosystem to allow non-resident account types such as non-resident external (NRE)/ non-resident ordinary (NRO) accounts having international mobile numbers to get on boarded and transact through UPI.
- To begin with, NPCI will be enabling transactions from mobile numbers having country codes of Singapore, Australia, Canada, Hong Kong, Oman, Qatar, USA, Saudi Arabia, United Arab Emirates, and the United Kingdom, along with the current domestic country code.
- The government body has asked UPI participants, such as Paytm, Google Pay, and more to put in place a mechanism by April 30.

About Non-Resident External (NRE) Account-

- Rupee-denominated account that NRIs can open in India to deposit/ transfer their foreign currency earnings.
- NRE accounts are exempt from tax.
- Advantage: ▪ High liquidity → allows full repatriation of funds from the account to the NRI's country of residence when required.

About Non-Resident Ordinary (NRO) Account:

- Rupee-denominated account that NRIs can open in India to manage their deposits or income earned in India such as dividends, pension, rent, etc.
- Interest earned on an NRO account is taxable at 30%
- Allows to receive funds in either Indian or foreign currency.
- However, only Indian currency can be used to withdraw from such account.
- Funds cannot be freely repatriated into foreign currency.

S14. Ans.(c)**Sol. Punjab Chief Minister Bhagwant Mann launched the ambitious project 'School of Eminence'.****Additional Info-**

- The objective of this project is to ensure holistic development of the students along with the rejuvenation of education in government schools so that they become responsible citizens.
- Under the 'School of Eminence' project, 117 government schools in 23 districts will be upgraded.
- Special emphasis will be given through the project from class 9th to 12th.
- A budget provision of Rs 200 crore has been made for the 'School of Eminence' project.

About Punjab-

- Capital – Chandigarh
- Governor - Banwari Lal Purohit
- Chief Minister - Bhagwant Mann
- Legislative Assembly - 117 seats
- Lok Sabha - 13 seats

S15. Ans.(b)**Sol. Visakhapatnam railway station of East Coast Railway has been awarded the 'Green Railway Station Certification with the highest rating of Platinum' by the Indian Green Building Council (IGBC) for adopting green concepts.****S16. Ans.(c)****Sol. Suryakumar Yadav has etched his name in the history books and become the 1st-ever Indian cricketer to be bestowed with the ICC Men's T20 Cricketer of the Year award.****S17. Ans.(c)****Sol. Nagaland has celebrated the 3rd edition of the annual Orange festival 2023 at Rusoma village, under Kohima district.****S18. Ans.(b)****Sol. Microsoft Corp. is investing \$10 billion in OpenAI, whose artificial intelligence tool ChatGPT. The deal will give a boost to Microsoft's Azure cloud, while providing OpenAI with additional specially designed supercomputers to run its complex AI models and fuel its research.****S19. Ans.(b)****Sol. Tamil Nadu Government has announced the 'Nilgiri Tahr Project', India's first-of-its-kind initiative aimed at restoring the state animal's original habitat and stabilizing its population. The 'Nilgiri Tahr Project' is a five-year program with a budget of Rs 25.14 crore.****S20. Ans.(d)****Sol. The Andhra Pradesh government has introduced a lesson on the contribution of Fatima Sheikh in the textbooks of the eighth class.****Additional Information-**

- Fatima Sheikh was India's first woman Muslim teacher and one of India's greatest social reformers and educators.
- She was known to have given shelter to Jyoti Rao Phule and Savitribai, the well-known social reformer couple who worked for the education of girl child.

S21. Ans.(c)

Sol. India and Japan will conduct their first-ever air exercise named “Veer Guardian” from January 16 to 26, 2023.

Additional Information-

This 10-day exercise will be held between the Indian Air Force and the Japanese Air Self Defence Force (JASDF) at Japan’s Hyakuri air base and Iruma air base.

S22. Ans.(d)

Sol. Phnom Penh is the capital of Cambodia.

Additional Information-

- The 3rd edition of ASEAN India Grassroots Innovation forum 2022 concluded at Phnom Penh, Cambodia.
- **Organisers:** ASEAN Committee on Science, Technology and Innovation (COSTI) in partnership with Department of Science and Technology (DST), India and National Innovation Foundation (NIF) – India.

ASEAN India Grassroots Innovation forum

- **Objective:** To promote and strengthen the development of the grassroots innovation ecosystem.
- **Organisers:** It is organized annually by COSTI in partnership with DST, India and NIF – India.
- It comprises of seminar sessions, innovation competitions, and an exhibition.
- **Previous Editions:** The first two forums were organized in Indonesia (2018) and Philippines (2019) respectively.

S23. Ans.(d)

Sol. National eGovernance Division (NeGD) under the Ministry of Electronics and IT (MeitY) has organized an AI Pe Charcha (AI Dialogue) in New Delhi.

About AI Pe Charcha series

- **Objective:** To cover the importance of data driven and AI enabled governance along with the global best practices.
- It was initiated as a part of India's first global AI summit Responsible AI for Social Empowerment (RAISE).
 - This summit was organized by MeitY in 2020.

S24. Ans.(e)

Sol. All (i), (ii) & (iii) are Beneficiaries of the scheme.

Additional Information-

- **What:** National Health Authority has announced a Digital Health Incentive Scheme (DHIS) for the stakeholders of the digital health ecosystem.
- **Objective:** To give a further boost to digital health transactions in the country under the Ayushman Bharat Digital Mission (ABDM).
- **Financial Outlay:** Rs. 50 crores for a period of 6 months starting from 1st January 2023 onwards.
- **Beneficiaries:** Under it, incentives will be provided to the following entities:
 - Health Facilities having 10 or more beds.
 - Laboratory/radiology diagnostics centres.
 - Digital Solution Companies (entities providing ABDM enabled digital solutions).
- They will be given financial incentives up to Rs. 4 crores based on the number of digital health records they create and link to Ayushman Bharat Health Account (ABHA).

S25. Ans.(d)

Sol. Both (i) & (ii) are correct statements regarding Rajiv Gandhi Shramik Kalyan Yojana.

About Rajiv Gandhi Shramik Kalyan Yojana-

- **Objective** – To provide unemployment allowance to the Insured Person (IP) for a maximum period of 24 months in case
 - He/She becomes unemployed involuntarily due to retrenchment as defined under the Industrial Disputes Act, 1947
 - Closure of the factory/ establishment as defined under the Industrial Disputes Act, 1947.
 - Permanent invalidity of not less than 40% arising out of nonemployment injury.
- **Launch Year** – 2005
- **Ministry** – Ministry of labor and employment
- **Eligibility conditions**
 - The Insured person (IP) should be in service for a minimum two years
 - The paid/payable contribution in respect of an IP for 156 days or more in any two consecutive contribution period will be deemed as having worked for one full year.
 - Contribution paid for 78 days or more in a contribution period will be deemed as having served for a half year

- The IP and his/her family are also entitled for medical care
- Unemployment allowance shall cease to be payable in case the Insured Persons who gets re-employment or attains the age of superannuation or 60 years, whichever is earlier.

Unemployment allowance - Daily rate of unemployment allowance is 50% of the average daily wages drawn by the insured person for first 12 months and 25% for the last 12 months.

S26. Ans.(d)

Sol. Suman Bery is the Vice Chairman of NITI Aayog.

Additional Information-

The Prime Minister has approved the appointment of Shri Arvind Virmani, Founder, Chairman, Foundation for Economic Growth & Welfare as Full-Time Member, NITI Aayog with immediate effect and until further orders, on the same terms and conditions as are applicable to Full-Time Members of NITI Aayog.

S27. Ans.(b)

Sol. Theme of the World Media Congress: Shaping the Future of the Media Industry.

Additional Information-

India was represented by the Secretary, Ministry of Information Broadcasting Apurva Chandra.

UAE Static-

- Capital of UAE: Abu Dhabi
- Currency: Emirati Dirham
- President of UAE: Sheikh Mohamed bin Zayed Al Nahyan.

S28. Ans.(d)

Sol. Navratna Defence PSU Bharat Electronics Ltd (BEL) signed a Memorandum of Understanding (MoU) with Delhi Metro Rail Corporation Ltd (DMRC).

Additional Information-

The MoU has been signed for jointly developing the Indigenous Communication-based Train Control System (i-CBTC), an important milestone in India's journey towards self-reliance in Rail and Metro operations.

S29. Ans.(c)

Sol. France is the 'Spotlight' country and 8 films will be screened under 'Country Focus' package.

S30. Ans.(b)

Sol. Amazon.com Inc. is the world's first public company to lose a trillion dollars in market value as a combination of rising inflation, tightening monetary policies and disappointing earnings updates triggered a historic selloff in the stock this year.

S31. Ans.(b)

Sol. Only statement (ii) is Incorrect.

Additional Information-

- India-Africa Security Fellowship Programme was launched at the 2nd edition of India-Africa Defence Dialogue.
- To give an opportunity to African scholars to pursue research on defence and security issues in India.
- **Host** – Manohar Parrikar Institute for Defence Studies and Analyses, the knowledge partner for the IADD.
- **Eligibility** – Scholars and researchers from reputed universities, think tanks, government officials, defence officers etc.
- **Duration of the program** – 1 to 3 months.
- **Amount of fellowship** – Rs. 50,000 per month.

S32. Ans.(a)

Sol. Full Form of LiFE is Lifestyle For Environment.

Additional Information-

It is a global movement to-

- Safeguard environment from impact of climate change.
- Bring individual behaviors at the forefront of the global climate action narrative.
- Objective- It aims at three-pronged strategy for changing our collective approach towards sustainability.
- Its idea was introduced by Prime Minister Narendra Modi during the 26th United Nations Climate Change Conference of the Parties (COP26)-2021 at Glasgow, United Kingdom.

S33. Ans.(e)

Sol. The 23rd Annual General Meeting of Developing Countries Vaccine Manufacturers Network (DCVMN) was recently held in Pune, Maharashtra.

Additional Information-

- To conduct discussions on global equity and timely access of vaccines and future pandemic-preparedness and response.
- Organizers- It was co-hosted by Serum Institute of India (SII) along with DCVMN.
- Theme- 'Global Equity and Timely-Access: COVID-19 and Beyond'.

About Developing Countries Vaccine Manufacturers**Network**

- It is a voluntary public health-driven alliance of vaccine manufacturers from developing countries.
- Vision- To protect people against known and emerging infectious diseases globally by increasing availability of high quality of vaccines produced in emerging countries.
- Established – 2000.
- Secretariat – Nyon, Switzerland

S34. Ans.(e)

Sol. The project has been launched for children in the age groups of 3+, 4+ and 5+ years of age.

Additional Information-**About Balvatika Pilot project**

- Objective- To achieve the three developmental goals of
 - Maintaining good health and well-being
 - Becoming effective communicators.
 - Becoming involved learners.
- The project has been launched for children in the age groups of 3+, 4+ and 5+ years of age.
- Pilot project- It is introduced in 49 Kendriya Vidyalayas.

S35. Ans.(c)

Sol. It is statutory body established in 1997.

Additional Information-

- Jaxay Shah was appointed as the Chairman of Quality Council of India for a period of three years.
- It is National body for Accreditation, set up jointly by Central Government and Indian Industry.
- To promote quality in the country through national accreditation of testing, inspection and certification bodies.
- It is autonomous non-profit organisation.
- Established: 1997 through Cabinet Note by the Government of India.
- Parent Organization: Department for Promotion of Industry and Internal Trade, Ministry of Commerce & Industry.
- Headquarters: New Delhi.

S36. Ans.(d)

Sol. Ministry of housing and urban affairs has organized the Indian Urban Housing Conclave-2022 in Rajkot, Gujarat.

Additional Information-

- Winners of PMAY-U Awards 2021 were also declared at the event and the winners were felicitated by Hon'ble Prime Minister.
- Uttar Pradesh, Madhya Pradesh and Tamil Nadu held the 1st, 2nd and 3rd positions, respectively as Best Performing States under the scheme.
- Gujarat was awarded as the Best State for implementation of the Credit Linked Subsidy Scheme (CLSS).
- Tripura won the award for Best Performing State under PMAY-U in north-eastern and hilly States category.

S37. Ans.(e)

Sol. All of the above are Priority Sector Lending Certificates (PSLCs).

Additional Information-

Priority Sector Lending Certificates (PSLCs): Enables Bank 'A' which has failed to meet PSL target to meet the target by purchasing PSL certificate from another Bank 'B', which has exceeded the target.

There is no transfer of loans under PSLC mechanism.

Types: PSLC General, PSLC Small and Marginal Farmer, PSLC Agriculture & PSLC Micro Enterprises.

NEW CHANGES INTRODUCED BY RBI IN PSL

1. **Co-origination of loans:** Under this framework, bank and NBFC can come together to provide loans to various sectors wherein they decide to share the loan amount and associated risks in a predetermined manner.
2. **Addressing Regional Disparities in flow of PSL Credit:** A higher weight (125%) would be assigned to priority sector credit in the identified districts where the credit flow is comparatively lower, and a lower weight (90%) would be assigned for incremental priority sector credit in the identified districts where the credit flow is comparatively higher.
3. **Enhancement of Loan limit against Negotiable Warehousing Receipts (NWRs):** Enhance the loan limit from Rs 50 lakh to Rs 75 lakh per borrower against the pledge of agricultural produce backed by NWRs/(e-NWRs) issued by warehouses registered and regulated by WDRA.
4. **Lending by Small Finance Banks (SFBs)** to MFIs for on-lending to be classified as Priority Sector Lending (PSL).

S38. Ans.(a)**Sol. Only (i) is Incorrect.****Additional Information-**

Finance Minister recently announced that government will set up an Urban Infrastructure Development Fund (UIDF) of Rs 10,000 crore per year for creating infrastructure in Tier-2 and Tier-3 cities.

About Urban Infrastructure Development Fund (UIDF):

1. UIDF will be established through the use of priority sector lending shortfall.
2. **Purpose:** The fund will be used by public agencies to create urban infrastructure in tier-2 and tier-3 cities.
3. It will be managed by the National Housing Bank.
4. It will be established on the lines of the Rural Infrastructure Development Fund (RIDF).
5. States will be encouraged to leverage resources from the grants of the 15th Finance Commission, as well as existing schemes, to adopt appropriate user charges while accessing the UIDF.

About tier-2 and tier-3 cities-

Cities with a population in the range of 50,000 to 100,000 are classified as tier 2 cities, while those with a population of 20,000 to 50,000 are classified as tier 3 cities.

S39. Ans.(c)**Sol. President Droupadi Murmu to formally inaugurate 14th Rashtriya Sanskriti Mahotsav at Bikaner in Rajasthan.****S40. Ans.(e)****Sol. The Maharaja Sayajirao University of Vadodara to hosted the Youth 20 India Summit for environment conservation.****Additional Info-**

- It was inaugurated by the Chief Minister of Gujarat Bhupendra Patel.
- It was Organized by the Ministry of Youth Affairs and Sports.
- The focus would be on 'Climate Change and Disaster Risk Reduction: Making sustainability a Way of Life'.
- This conference was organized on the motto of 'Vasudhaiv Kutumbakam'-One Earth-One Family-One Future which will channelize the awareness on environment conservation.

S41. Ans.(d)**Sol. National Electronic Toll Collection (NETC) program is aimed at meeting the electronic tolling requirements of the Indian market. It offers an interoperable nationwide toll payment solution.****Additional Info-**

1. **CTS-** cheque truncation system, is a cheque clearing mechanism where MICR clearing by physical travelling of cheque is replaced by image capturing mechanism.
2. **BHIM-** Bharat Interface for Money (BHIM) is an app that lets you make simple, easy and quick payment transactions using Unified Payments Interface (UPI). You can make instant bank-to bank payments and Pay and collect money using just Mobile number or Virtual Payment Address (UPI ID).
3. **NACH-** National Automated Clearing House is web based solution to facilitate interbank, high volume, electronic transactions which are repetitive and periodic in nature. NACH System can be used for making bulk transactions towards distribution of subsidies, dividends, interest etc.
4. **UPI-** Unified Payment Interface, is an immediate money transfer mechanism through mobile device. Through this one can transfer money in real time using a single mobile application for accessing different bank accounts.

S42. Ans.(e)**Sol. All (i), (ii) & (iii) are correct.****Additional Info-**

1. A Nostro account is an account held by a bank of one country in a bank in another country.
2. It allows the customers to deposit money in the bank's account in another bank. It is often used if a bank has no branches in a foreign country.
3. The interest rate is not given to this type of account. In case of an overdrawn amount or an insufficient amount of funds in the Nostro account, some fee is charged from these accounts.
4. A Nostro account is an account held by a bank of one country in a bank in another country.
5. It allows the customers to deposit money in the bank's account in another bank. It is often used if a bank has no branches in a foreign country.
6. The interest rate is not given to this type of account. In case of an overdrawn amount or an insufficient amount of funds in the Nostro account, some fee is charged from these accounts.

S43. Ans.(d)

Sol. Over-the-Counter (OTC) Markets” refers to markets where transactions are undertaken in any manner other than on exchanges and shall include those executed on electronic trading platforms (ETPs).

S44. Ans.(b)

Sol. Central Water Commission and the IIT-Roorkee have signed an MOU for establishing an international Centre of Excellence on dam safety.

Additional Info-

- The center will be developed at the IIT-R for which it has received a grant of Rs 108.99 crore from the Ministry of Jal Shakti.
- The International Center of Excellence will focus on different safety and rehabilitation aspects of dams, like hydrological, hydraulic, structural, geotechnical, seismic safety evaluation, and reservoir sedimentation and silt control.

S45. Ans.(e)

Sol. All (i), (ii) & (iii) are correct.

About Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) Yojana

- It was launched on 24th February, 2019 to supplement financial needs of land holding farmers.
- Financial benefit of Rs 6000/- per year in three equal installments, every four months is transferred into the bank accounts of farmers’ families across the country through Direct Benefit Transfer (DBT) mode.
- The scheme was initially meant for Small and Marginal Farmers (SMFs) having landholding up to 2 hectares but scope of the scheme was extended to cover all landholding farmers.
- It is a Central Sector Scheme with 100% funding from the Government of India.
- It is being implemented by the Ministry of Agriculture and Farmers Welfare.
- A mandatory physical verification of 5% beneficiary every year is being done as per the provisions laid down in the scheme.

S46. Ans.(e)

Sol. SS Rajamouli’s directorial, ‘RRR’ has NOT bagged the award in Best Feature Film category.

Additional Info-

- SS Rajamouli’s directorial, ‘RRR’ has bagged the ‘Best International Film’ award at the Hollywood Critics Association Film Awards.
- The film director Rajamouli and actor Ram Charan accepted the award with joy and pride. It has also won three more awards at the HCA film awards.
- Before bagging the ‘Best International Film’ award, ‘RRR’ won three awards at HCA – ‘Best Action Film’, ‘Best Stunts’, and ‘Best Original Song’.

S47. Ans.(c)

Sol. According to HedgewithCrypto research, India emerged as 7th biggest nation ready to adopt crypto in 2023.

Additional Info-

Here’s 10 countries ready for crypto adoption:

Rank	Country	Crypto adoption rate (%)	Crypto ATMs	Increase in google searches since 2020 (%)	Crypto ready score out of 10
1	Australia	18	240	196	7.37
2	USA	16	33,639	166	7.07
3	Brazil	24	25	355	6.81
4	United Arab Emirates	34	6	261	6.41
5	Hong Kong	16	146	209	6.4
6	Taiwan	14	40	278	6.2
7	India	25	2	316	6.12
8	Canada	14	2,640	185	6.1
9	Turkey	40	14	123	6.07
10	Singapore	25	0	234	6.02

S48. Ans.(d)

Sol. UAE Hosted First IZU2 Vice-Ministerial Meeting to Discuss Investment Opportunities.

S49. Ans.(c)

Sol. The Bhutan National Digital Identity (NDI) mobile wallet, Royal Highness The Gyalsey (Prince) Jigme Namgyel Wangchuck has become the first digital citizen of Bhutan.

About Bhutan-

- Capital: Thimphu
- King: Jigme Khesar Namgyel Wangchuck
- Currencies: Bhutanese Ngultrum, Indian Rupee
- Official language: Dzongkha

S50. Ans.(a)

Sol. Prime Minister Narendra Modi inaugurated the 'Barisu Kannada Dim Dimava cultural festival at Talkatora Stadium in Delhi.

Additional Info-

Barisu Kannada Dim Dimava' cultural festival is being organized to celebrate Karnataka's culture, traditions, and history.

S51. Ans.(b)

Sol. Vishakhapatnam railway station has been awarded the 'Green Railway Station Certification with highest rating of Platinum by the Indian Green Building Council.

Additional Info-

- The certification has been given for adopting green concepts that are reducing the adverse environmental impact.
- Visakhapatnam is one of the few railway stations to get this prestigious certificate.
- It has secured 82 out of 100 points in six environmental categories.
- Segregation of Waste by Constructing MRF Shed
- Setting and Operationalization of 500KLD STP for Station & Colony Water
- Setting up of Solar Panels to conserve Power
- Well Developed Passenger Amenities
- 100% fitment of LED Lightings

About Green Railway Station Rating System

- **Objective** - To facilitate adoption of green concepts, thereby reducing the adverse environmental impacts due to station operation and maintenance.
- It addresses national priorities such as water conservation, handling of waste, energy efficiency, reduced use of fossil fuel, lesser dependence on usage of virgin materials and health and well-being of occupants.
- **Developed by:** Environment Directorate of Indian Railways, with the support of the IGBC.

S52. Ans.(a)

Sol. All (i), (ii) & (iii) are correct

Additional Info-

National Logistics Portal (marine) has been launched recently to serve as a one stop marketplace where all logistic stakeholders are integrated for easier, speedier & competitive services thereby promoting trade and growth.

About National Logistics Portal (marine)**• Objectives:**

- To connect all the stakeholders of the logistics community using IT.
- To improve efficiency and transparency by reducing costs and time delays and achieving easier, faster, and more competitive offerings of services.

• Envisaged by: Ministry of Ports Shipping Waterways and Ministry of Commerce & Industry.**• It will be a single window for all trade processes of the logistics sector spread across the country.****• It will cover all modes of transport- waterways, roadways, and airways along with an e-marketplace to provide a seamless end to-end logistic service coverage.****• Its activities are categorized into four distinct verticals viz.**

- Carrier
- Cargo
- Banking and Finance
- Regulatory Bodies and Participating Government Agencies

S53. Ans.(c)

Sol. Only (i) is Incorrect.

Additional Info-**• List of 120 startups and innovators has been announced for the XR Startup Program by MeitY Startup Hub (MSH) and Meta (parent company of Facebook).****• To discover, nurture, and accelerate Extended Reality (XR) technology startups and innovators across India.****• Out of the startups selected in the Accelerator Program, over 30% are from tier 2/3 cities across India.****• Also, 40% of the selected innovators and startups in the grand challenge are from tier 2/3 cities.****• More than 20% of the cohort of this program has women innovators and startups with women founders/co-founders.**

About XR Startup Program-

- Objective: To boost the emerging tech ecosystem in the country.
- Launch Year: September 2022.
- Initiative of: It is a collaboration between MSH and Meta.
- MSH is an initiative of the Ministry of Electronics & Information Technology.
- It includes an Accelerator program and a Grand Challenge.
- **Accelerator Program:** It is supporting 40 early-stage startups working in XR technologies with a grant of Rs. 20 lakhs each.
- **Grand Challenge:** It encourages early-stage innovators in sectors like Education, Learning and Skills, Healthcare, Gaming and Entertainment, Agritech & Climate Action and Tourism & Sustainability.

Implementation:

- **North Zone:** Foundation for Innovation and Technology Transfer at IIT Delhi.
- **South Zone:** Centre for Innovation and Entrepreneurship (CIE) at IIIT-Hyderabad
- **East Zone:** Atal Incubation Centre (AIC) at Sikkim Manipal University Technology Business Incubation Foundation
- **West Zone:** Gujarat University Startup and Entrepreneurship Council.

S54. Ans.(e)

Sol. The first International Financial Architecture Working Group meeting of G-20 under the chair of India will take place in Chandigarh.

Additional Info-

- Discussions of this meeting will be jointly moderated by Ministry of Finance and the Reserve Bank of India.
- It will be also moderated by co-chairs of the International Financial Architecture Working Group - France and South Korea.
- G-20 event titled 'Central Bank Digital Currencies (CBDCs): Opportunities and Challenges'.

S55. Ans.(e)

Sol. Ministry of Youth Affairs and Sports recently launched a special mobile application for the 5th edition of Khelo India Youth Games.

Additional Info-

- To ensure that participating athletes, coaches, support staff, parents of athletes and officials participating have access to all information about the Games.
- This is the first-time that a dedicated App has been launched for Khelo India Youth Games.
- It has a dedicated athlete login and supports athlete right from the time of his/her registration into the games, through the entire course of the Games.
- It gives the athlete a chance to check if his or her verified documents have been uploaded.

S56. Ans.(c)

Sol. Both (i) & (ii) are correct statement regarding the framework.

IMPORTANT POINTS-

- Recently, SEBI issued a framework whereby Alternative Investment Funds (AIFs) will now be allowed to raise money from any investor whether Indian, foreign or non-resident Indians, by way of issue of units.
- This new guideline will come into force with immediate effect.
- According to SEBI, at the time of onboarding investors, managers of AIF should ensure that:
 - FPIs are residents of a country whose securities market regulator is a signatory to the International Organization of Securities Commission's (IOSCO) Multilateral Memorandum of Understanding, or
 - a signatory to a bilateral Memorandum of Understanding with SEBI.
- SEBI also notified that investors contributing 25% or more in the corpus should:
 - not be a person mentioned in the Sanctions List notified by the United Nations Security Council (UNSC)
 - should not be a resident in a country identified in the public statement of the Financial Action Task Force (FATF)
- The investor should also not be from a country that has not made sufficient progress in addressing the deficiencies, or has not committed to an action plan developed with FATF to address such deficiencies.
- It further mentioned that if an investor who is already on board, doesn't meet the specified condition, then the AIF will bare capital contribution until the investor becomes eligible.

About SEBI-

- SEBI is a government-owned regulatory authority that was established in 1992 with Mumbai as its headquarters.
- The current Chairperson of the body is Madhabi Puri Buch.

S57. Ans.(e)**Sol. None of the above.****Additional Information-****UCBs have been categorized into following 4 tiers for regulatory purposes:**

- Tier 1 - All unit UCBs and salary earner's UCBs (irrespective of deposit size), and all other UCBs having deposits up to Rs.100 crores.
- Tier 2 - UCBs with deposits more than Rs.100 crores and up to Rs.1000 crore.
- Tier 3 - UCBs with deposits more than Rs.1000 crore and up to Rs. 10,000 crores.
- Tier 4 - UCBs with deposits more than Rs. 10,000 crores.

S58. Ans.(b)**Sol. The National Rail Plan envisages that the share of freight traffic by rail should go up from current share of 27% to 45% by 2030.****S59. Ans.(a)****Sol. This scheme is implemented by Ministry of Minority Affairs.****Additional Info-**

- The Scheme for the Development of Urban Waqf Properties, a pioneering programme of the Council for developing the waqf property on commercial line was launched in 1974-75 with the Grant-in-Aid of the Government of India aimed at augmenting the resources of the Waqf Institutions and for better realization of their objectives.
- Under this scheme the Council provides loan assistance through the respective State Waqf Boards for taking up economically/commercially viable buildings on Waqf land, such as commercial arcades, Marriage halls, Hospitals, Cold Storage etc.
- The Ministry of Minority Affairs, Government of India has been providing annual Grant -in -Aid under for this specific purposes.
- After Evaluation of the Scheme for Grants-in-aid to Waqf Development of Urban Waqf Properties, it has been renamed in 2017 as Shahari Waqf Sampatti Vikas Yojana and was approved upto 2019-20.
- However, the scheme has been further extended upto 2025-26.

S60. Ans.(b)**Sol. Both (i) & (ii) are correct.****Additional Info-**

During the 70th Plenary meeting at Guwahati in October 2022, which was held under the chairmanship of the Union Home Minister and Chairman NEC, it was decided that this important milestone of the NEC would be celebrated in a befitting manner. Accordingly, the Golden Jubilee celebration of the NEC is being held in Shillong on the 18th December 2022.

About North Eastern Council-

- It is statutory body established under North Eastern Council Act, 1971.
- It serves as the nodal agency for the economic and social
- development of the North Eastern Region.
- Parent Ministry: It functions under Ministry of Development of the North-Eastern Region.
- Establishment: 1972.
- Headquarters: Shillong, Meghalaya.
- Member States: 8 North eastern states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland and Tripura, Sikkim.
 - Sikkim was included as the 8th member state through NEC (Amendment) Act, 2002.
- Composition:
 - Ex-officio Chairman: Union Home Minister.
 - Ex-officio Vice-Chairman: Minister of State (IC), Ministry of Development of the North-Eastern Region.
- Members: Respective Chief Ministers and Governors are members

S61. Ans.(a)**Sol. The Curtain Raiser of India's flagship Energy Event "India Energy Week 2023 "(IEW 2023), was organized at the Bangalore palace, Bengaluru.****Additional Info-**

- It was celebrated to mark the beginning of number of preparatory events being
- hosted in the run up to the India Energy Week 2023.
- **Objective:** To showcase India as both an engine of global economic growth and driver for global consumption, conducive and investment-friendly environment and a skilled workforce.
- **Tagline:** "Growth, Collaboration, Transition".
- It will be organized by Ministry of Petroleum and Natural Gas and supported by Indian Oil and Federation of Indian Petroleum Industry.

S62. Ans.(a)**Sol. The authorized capital is Rs 500 crore.****About Open Network for Digital Commerce (ONDC)-****Objectives:**

- Democratisation and decentralization of eCommerce.
- Inclusivity and access for sellers, especially SMEs as well as local businesses.
- Increased choices and independency for consumers.

Launch Year: 2021.

- It has been incorporated as a non-profit, Section-8 company.
- Initiative of: Department of Promotion of Industry and Internal Trade, Ministry of Commerce.
- **Authorized capital:** Rs. 500 Crores.
- Many public and private banks and financial institutions have contributed equity to ONDC till now.
- Board members: 12 including three government nominees from the Ministries of Commerce and Industry (DPIIT), MSME and Consumer Affairs.
- Pilot Phase: It was launched in April 2022 in five cities- New Delhi, Bengaluru, Bhopal, Shillong and Coimbatore.

S63. Ans.(a)**Sol. Canara Bank is the sponsor bank of Karnataka Vikas Grameena Bank (KVGB).****Additional Information-**

- Pension Fund Regulatory and Development Authority is the regulatory body under the jurisdiction of Ministry of Finance, Government of India for overall supervision and regulation of pension in India.
- PFRDA has given a target of an average 80 accounts per branch, the bank has achieved an average of 110 accounts against the target. This achievement is highest among all other banks in South India. At present, the bank has 629 branches in the nine districts from Vijayapura to Mangaluru.

About Karnataka Vikas Grameena Bank-

- Founded: September 12, 2005
- Headquarters: Dharwad, Karnataka
- Chairman: Puttaganti Gopi Krishna

S64. Ans.(b)**Sol. The founding chairman of the popular drink Rasna, Areez Pirojshaw Khambatta has passed away.****S65. Ans.(d)****Sol. The official mascot of the Qatar World Cup is La'eeb.**

The adventurous, fun and curious La'eeb was unveiled during the Qatar 2022 Final Draw, which took place in Doha on April 1, following a tradition that was initiated in England 1966.

S66. Ans.(d)**Sol. The name of the football to be used during the world cup is Al Rihla.**

Al Rihla means "Journey" in Arabic. It has been made by the German multinational company Adidas.

S67. Ans.(b)**Sol. Formula One (F1) world champion Max Verstappen of Red Bull team won the season ending F1 Abu Dhabi race in Abu Dhabi, United Arab Emirates.****S68. Ans.(d)****Sol. Hindu growth rate' was coined by late economist Raj Krishna in 1978 to describe the slow growth in the country.****S69. Ans.(c)****Sol. It is a stock manipulation scheme where the price of a stock is 'pumped'/ boosted by spreading false information/ recommendations.****Additional Info-**

1. These recommendations are based on false, misleading, or greatly exaggerated statements.
2. Fraudsters have a position in company stock, after pumping, they dump their own stock at high prices.
3. The claims are false, misleading, exaggerated, and spread to make personal gains. This is often done by a person who has monetary influence over many people.

How is the scheme used?

1. There is a three-step process in the pump-and-dump scheme. First, a person buys a significant holding in any stock.
2. Next, he makes exaggerated claims about the company, encouraging people to "pump" their money into it and buy more.
3. Lastly, as the stock price goes up, he "dumps" it and pockets the gains. However, as the significant stock volume is dumped, its price falls, and other investors lose money

How a Pump and Dump Scheme Works?



S70. Ans.(b)

Sol. PM Modi and PM of Bangladesh, Sheikh Hasina jointly inaugurated the India-Bangladesh Friendship Pipeline in a virtual mode. Foundation stone for its construction was laid by both Prime Ministers in September 2018.

Additional Info-

1. This is the first cross border energy pipeline between India and Bangladesh. • It has been built at an estimated cost of Rs.377 crores. Bangladesh portion of the pipeline built at a cost of approx. Rs.285 crores.
2. **Length of the pipeline** – 130 Km (6 Km in India, 124 Km in Bangladesh)
3. The pipeline connects Siliguri in West Bengal to Dinajpur district of Bangladesh
4. **Capacity of Pipeline:** It can transport 1 Million Metric Ton Per Annum (MMTPA) of High-Speed Diesel (HSD). It will supply HSD initially to seven districts in northern Bangladesh.

S71. Ans.(a)

Sol. Ministry of Panchayati Raj has been awarded WSIS Prizes Award 2023 for its AuditOnline software/application at WSIS Forum 2023 held in ITU Headquarters in Geneva, Switzerland.

Additional Info-

AuditOnline has been awarded WSIS Prizes Award 2023 under Category 7 — Action Line C7 — ICT Applications: e-Government. It was based on the most voted project in the category.

About AuditOnline application

1. It has been developed as part of Panchayat Enterprise Suite under e-Panchayat Mission Mode Project initiated by the ministry.
2. **Launch Year:** April 2020.
3. It was launched for conducting online audit of all Panchayati Raj Institutions (PRIs).
4. It seeks to further strengthen financial management and transparency of Panchayats.
5. It is configurable as per every States' Audit Act / Rules.

About World Summit on the Information Society (WSIS)

1. **Objective:** To promote ICTs for achieving UN Sustainable Development Goals.
2. It is an annual award event coordinated by ITU in collaboration with UNESCO, UNDP and UNCTAD.
3. This event is intended for ICT development initiatives that support SDGs
4. **WSIS Forum 2023:** It has been organized on the theme, 'WSIS Action Lines for Building Back Better and Accelerating the Achievement of SDGs'.

S72. Ans.(d)

Sol. Ministry of Fisheries, Animal Husbandry & Dairying has conducted Phase-IV of 'Sagar Parikrama' in Karnataka.

Additional Info-

1. Phase IV will cover 10 locations in 3 coastal districts of Karnataka.
 2. **Objectives:**
 - (i) To facilitate interaction with fishermen, coastal communities and stakeholders to disseminate information of various fisheries related schemes and programs.
 - (ii) To demonstrate solidarity with all fisher folk, fish farmers and concerned stakeholders as a spirit of Aatmanirbhar Bharat.
 3. **Launch Year:** March 2022.
 4. It is being organized through a pre-decided sea route covering coastal States/UTs.
- Previous Phases of Sagar Parikrama**
1. **Phase I:** It was held in Gujarat in March 2022 with theme of "KRANTI se SHANTI". It started from Mandvi and ended at Porbandar, Gujarat.
 2. **Phase-II:** It was held in Gujarat in September 2022 and covered 7 locations from Mangrol, Veraval, Diu, Jafrabad, Surat, Daman & Valsad.
 3. **Phase-III:** It was started from Surat, Gujarat in February 2023. It had covered coastal areas of Diu & Daman (UT) and northern Maharashtra.

S73. Ans.(b)

Sol. The Churchgate railway station in Mumbai will soon be called as 'Chintamanrao Deshmukh station', named after the first governor of the Reserve Bank of India (RBI) CD Deshmukh.

About the CD Deshmukh

- Chintaman Dwarkanath Deshmukh, also known as C D Deshmukh, was the first Indian Governor of the Reserve Bank of India.
- He joined RBI in 1939 and served as its Secretary to the Board, Deputy Governor and the Governor. In August 1943, he was appointed as Governor of the RBI and served in that position till 1949.
- Deshmukh is one of the eight Deputy Governors of the Bank who have gone on to become its Governor.

S74. Ans.(d)

Sol. HDFC Bank and UAE-based financial services company Lulu Exchange, have partnered to strengthen cross-border payments between India and Gulf Cooperation Council (GCC) region.

Additional Info-

The UAE-India payments corridor is one of the largest in the world, and this partnership will build upon existing capabilities to ease money transfer for thousands of Indian expats living in the UAE, while setting the foundation for the eventual integration of this service in other parts of GCC.

S75. Ans.(a)

Sol. The new MPLADs guidelines and the web portal will come into effect from April 1, 2023.

Additional Info-

- The Minister of State for Statistics and Programme Implementation, Rao Inderjit Singh, launched the revised norms for MPLADS (Members of Parliament Local Area Development Scheme).
- The revised set of guidelines aims to broaden the scope of the scheme so as to enable the parliamentarians to recommend developmental works as per the changing needs of the community with an emphasis on improving the functioning, implementation and monitoring of the MPLAD scheme.
- The revised rules will enable MPs to recommend developmental works as per the requirement of their constituency.

S76. Ans.(c)

Sol. 7th Asia Economic Dialogue (AED 2023) has been organized in Pune, Maharashtra.

Additional Info-

- AED is annual flagship geo-economics conference of Ministry of External Affairs (MEA).
- It is hosted by MEA in collaboration with the Pune International Centre.
- It is a unique dialogue based in India where Asian countries come together to talk trade, finance, and business opportunities.

S77. Ans.(c)

Sol. Meta launches the LLaMA model, a research tool more potent than OpenAI's GPT-3.

S78. Ans.(e)

Sol. For the first time, India's indigenously-made light combat aircraft Tejas will be participating in an international multilateral air exercise — Exercise Desert Flag VIII — in the UAE, reflecting India's increasing efforts at showcasing the jet at the world stage.

S79. Ans.(a)

Sol. All (i), (ii) & (iii) are correct.

Additional Info-

- Recently, EU members have agreed to implement a minimum tax rate of 15% on big businesses in accordance with Pillar 2 of the global tax agreement framed by the Organisation for Economic Cooperation and Development (OECD) in 2021.
- In 2021, 136 countries including India had agreed on a plan to redistribute tax rights across jurisdictions and enforce a minimum tax rate of 15% on large multinational corporations.

What is Global Minimum Tax?

- A Global Minimum Tax (GMT) applies a standard minimum tax rate to a defined corporate income base worldwide.
- The OECD developed a proposal featuring a corporate minimum tax of 15% on foreign profits of large multinationals, which would give countries new annual tax revenues of USD 150 billion.
- The framework of GMT aims to discourage nations from tax competition through lower tax rates that result in corporate profit shifting and tax base erosion.

Two Pillar Plan:

- Pillar 1:
 - 25% of profits of the largest and most profitable Multinational Enterprise (MNEs) above a set profit margin would be reallocated to the market jurisdictions where the MNE's users and customers are located.
- Pillar 2:
 - It provides a minimum 15% tax on corporate profit, putting a floor on tax competition.
 - This will apply to multinational groups with annual global revenues of over 750 million euros. Governments across the world will impose additional taxes on the foreign profits of MNEs.

S80. Ans.(b)

Sol. Full form of BEPS is Base Erosion and Profit Shifting.

Additional Info-

- Base Erosion and Profit Shifting (BEPS) refers to the strategies used by multinational companies to avoid paying tax, by exploiting the mismatches and gaps in the tax rules.
- Using certain loopholes, multinational companies shifts its income or profit to another country which could be a tax haven.
- BEPS practice is a major problem since nations have lost tax revenues to the tune of \$100 billion to \$240 billion annually, as per statistics put out by the Organisation for Economic Cooperation and Development (OECD).

S81. Ans.(d)

Sol.

Only two boxes are placed above box L whose weight is a multiple of 7. There are two possible cases that Box L can either be of 28kg or of 35kg because it is given that no box is less than 24kg and more than 37kg. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
D		D	

One box is placed between box L and box F. Weight of box F is a square number. So, the weight of box F is either 25kg or 36kg. Weight of box B is a prime number which is placed just above box F. So, box B will either be of 29kg or 31kg.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
B	29/31	B	29/31
F	36	F	25/36
D		D	

Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. Case 1 will eliminate here because the integer value of box B's weight is not possible. G's weight is not an even number. Hence, we got the definite weight of box B, F and G.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
T/	25	T/	32
T/		T/	
L	28	L	35
B	29/31	B	29
F	36	F	25
G		G	27
D		D	

Total weight of box T and box G is 63kg. So, the weight of T is 36kg. More than three boxes are placed below box C. Total weight of all the boxes is 215kg. So, the weight of one remaining box (which is D) is 31kg. So, the final arrangement is:

Box	Weight (kg)
C	32
T	36
L	35
B	29
F	25
G	27
D	31

Box C is placed just above box T.

S82. Ans.(b)

Sol.

Only two boxes are placed above box L whose weight is a multiple of 7. There are two possible cases that Box L can either be of 28kg or of 35kg because it is given that no box is less than 24kg and more than 37kg. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
D		D	

One box is placed between box L and box F. Weight of box F is a square number. So, the weight of box F is either 25kg or 36kg. Weight of box B is a prime number which is placed just above box F. So, box B will either be of 29kg or 31kg.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
B	29/31	B	29/31
F	36	F	25/36
D		D	

Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. Case 1 will eliminate here because the integer value of box B's weight is not possible. G's weight is not an even number. Hence, we got the definite weight of box B, F and G.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
T/	25	T/	32
T/		T/	
L	28	L	35
B	29/31	B	29
F	36	F	25
G		G	27
D		D	

Total weight of box T and box G is 63kg. So, the weight of T is 36kg. More than three boxes are placed below box C. Total weight of all the boxes is 215kg. So, the weight of one remaining box (which is D) is 31kg. So, the final arrangement is:

Box	Weight (kg)
C	32
T	36
L	35
B	29
F	25
G	27
D	31

The weight of box D which is placed just below box G is 31kg.

S83. Ans.(e)

Sol.

Only two boxes are placed above box L whose weight is a multiple of 7. There are two possible cases that Box L can either be of 28kg or of 35kg because it is given that no box is less than 24kg and more than 37kg. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
D		D	

One box is placed between box L and box F. Weight of box F is a square number. So, the weight of box F is either 25kg or 36kg. Weight of box B is a prime number which is placed just above box F. So, box B will either be of 29kg or 31kg.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
B	29/31	B	29/31
F	36	F	25/36
D		D	

Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. Case 1 will eliminate here because the integer value of box B's weight is not possible. G's weight is not an even number. Hence, we got the definite weight of box B, F and G.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
T/	25	T/	32
T/		T/	
L	28	L	35
B	29/31	B	29
F	36	F	25
G		G	27
D		D	

Total weight of box T and box G is 63kg. So, the weight of T is 36kg. More than three boxes are placed below box C. Total weight of all the boxes is 215kg. So, the weight of one remaining box (which is D) is 31kg. So, the final arrangement is:

Box	Weight (kg)
C	32
T	36
L	35
B	29
F	25
G	27
D	31

No box is placed between T and C because they are placed adjacent to each other.

S84. Ans.(c)

Sol.

Only two boxes are placed above box L whose weight is a multiple of 7. There are two possible cases that Box L can either be of 28kg or of 35kg because it is given that no box is less than 24kg and more than 37kg. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
D		D	

One box is placed between box L and box F. Weight of box F is a square number. So, the weight of box F is either 25kg or 36kg. Weight of box B is a prime number which is placed just above box F. So, box B will either be of 29kg or 31kg.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
B	29/31	B	29/31
F	36	F	25/36
D		D	

Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. Case 1 will eliminate here because the integer value of box B's weight is not possible. G's weight is not an even number. Hence, we got the definite weight of box B, F and G.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
T	25	T	32
T	25	T	32
T	28	L	35
B	29/31	B	29
F	36	F	25
G		G	27
D		D	

Total weight of box T and box G is 63kg. So, the weight of T is 36kg. More than three boxes are placed below box C. Total weight of all the boxes is 215kg. So, the weight of one remaining box (which is D) is 31kg. So, the final arrangement is:

Box	Weight (kg)
C	32
T	36
L	35
B	29
F	25
G	27
D	31

Four boxes have more weight than B.

S85. Ans.(e)

Sol.

Only two boxes are placed above box L whose weight is a multiple of 7. There are two possible cases that Box L can either be of 28kg or of 35kg because it is given that no box is less than 24kg and more than 37kg. Box D is placed four places below box L. The number of boxes placed above D is same as the number of boxes placed below the box whose weight is 3kg less than box L.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
D		D	

One box is placed between box L and box F. Weight of box F is a square number. So, the weight of box F is either 25kg or 36kg. Weight of box B is a prime number which is placed just above box F. So, box B will either be of 29kg or 31kg.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
	25		32
L	28	L	35
B	29/31	B	29/31
F	36	F	25/36
D		D	

Box T is placed above box G but both are not placed adjacent to each other. Weight of box G is equal to the average weight of box B and box F. Case 1 will eliminate here because the integer value of box B's weight is not possible. G's weight is not an even number. Hence, we got the definite weight of box B, F and G.

Box	Weight (kg)	Box	Weight (kg)
Case 1		Case 2	
T	25	T	32
T	25	T	32
T	28	L	35
B	29/31	B	29
F	36	F	25
G		G	27
D		D	

Total weight of box T and box G is 63kg. So, the weight of T is 36kg. More than three boxes are placed below box C. Total weight of all the boxes is 215kg. So, the weight of one remaining box (which is D) is 31kg. So, the final arrangement is:

Box	Weight (kg)
C	32
T	36
L	35
B	29
F	25
G	27
D	31

Only option (e) is correct i.e., the weight of F is 25kg.

S86. Ans.(d)

Sol. I: $D \geq Q$ (False) II: $B < P$ (False)

S87. Ans.(c)

Sol. I: $G > M$ (False) II: $Y \geq R$ (False)

S88. Ans.(e)

Sol. I: $R > G$ (True) II: $S > E$ (True)

S89. Ans.(b)

Sol. I: $X > L$ (False) II: $O \leq S$ (True)

S90. Ans.(c)

Sol.

Common Explanation

For Word Arrangement: The words are arranged in alphabetical order from the left end.

For Number Arrangement: The numbers are multiplied within the digit and arranged in descending order from the left end.

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Step I: Hold 38 42 Keep Neat 51 63 Lake Peace 17

Step II: Hold 38 Keep 63 42 Neat 51 Lake Peace 17

Step III: Hold 38 Keep 63 Lake 42 Neat 51 Peace 17

Step IV: Hold 38 Keep 63 Lake 42 Neat 17 51 Peace

Step V: Hold 38 Keep 63 Lake 42 Neat 17 Peace 51

S91. Ans.(d)

Sol.

Common Explanation

For Word Arrangement: The words are arranged in alphabetical order from the left end.

For Number Arrangement: The numbers are multiplied within the digit and arranged in descending order from the left end.

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Step I: Hold 38 42 Keep Neat 51 63 Lake Peace 17

Step II: Hold 38 Keep 63 42 Neat 51 Lake Peace 17

Step III: Hold 38 Keep 63 Lake 42 Neat 51 Peace 17

Step IV: Hold 38 Keep 63 Lake 42 Neat 17 51 Peace

Step V: Hold 38 Keep 63 Lake 42 Neat 17 Peace 51

S92. Ans.(c)

Sol.

Common Explanation

For Word Arrangement: The words are arranged in alphabetical order from the left end.

For Number Arrangement: The numbers are multiplied within the digit and arranged in descending order from the left end.

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Step I: Hold 38 42 Keep Neat 51 63 Lake Peace 17

Step II: Hold 38 Keep 63 42 Neat 51 Lake Peace 17

Step III: Hold 38 Keep 63 Lake 42 Neat 51 Peace 17

Step IV: Hold 38 Keep 63 Lake 42 Neat 17 51 Peace

Step V: Hold 38 Keep 63 Lake 42 Neat 17 Peace 51

S93. Ans.(e)

Sol.

Common Explanation

For Word Arrangement: The words are arranged in alphabetical order from the left end.

For Number Arrangement: The numbers are multiplied within the digit and arranged in descending order from the left end.

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Step I: Hold 38 42 Keep Neat 51 63 Lake Peace 17

Step II: Hold 38 Keep 63 42 Neat 51 Lake Peace 17

Step III: Hold 38 Keep 63 Lake 42 Neat 51 Peace 17

Step IV: Hold 38 Keep 63 Lake 42 Neat 17 51 Peace

Step V: Hold 38 Keep 63 Lake 42 Neat 17 Peace 51

S94. Ans.(b)

Sol.

Common Explanation

For Word Arrangement: The words are arranged in alphabetical order from the left end.

For Number Arrangement: The numbers are multiplied within the digit and arranged in descending order from the left end.

Input: 38 42 Keep Neat Hold 51 63 Lake Peace 17

Step I: Hold 38 42 Keep Neat 51 63 Lake Peace 17

Step II: Hold 38 Keep 63 42 Neat 51 Lake Peace 17

Step III: Hold 38 Keep 63 Lake 42 Neat 51 Peace 17

Step IV: Hold 38 Keep 63 Lake 42 Neat 17 51 Peace

Step V: Hold 38 Keep 63 Lake 42 Neat 17 Peace 51

S95. Ans.(c)

Sol.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5			F		F	
4	F					
3	I		I			
2		G		A	I	A
1		A		G		G

The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor. Hence, case 1 and case 2 get eliminated.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5	E		F	C	F	
4	F		E	J		
3	I	B	I	B	E	B
2	H	G	H	A	I	A
1	D	A	D	G		G

So, the final arrangement is-

Floors	Flat 2	Flat 1
5	F	C
4	E	J
3	I	B
2	H	A
1	D	G

J lives two floors above A's flat.

S96. Ans.(d)

Sol.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5			F		F	
4	F					
3	I		I			
2		G		A	I	A
1		A		G		G

The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor. Hence, case 1 and case 2 get eliminated.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5	E		F	C	F	
4	F		E	J		
3	I	B	I	B	E	B
2	H	G	H	A	I	A
1	D	A	D	G		G

So, the final arrangement is-

Floors	Flat 2	Flat 1
5	F	C
4	E	J
3	I	B
2	H	A
1	D	G

H lives in Flat 2, floor 2

S97. Ans.(a)

Sol.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5			F		F	
4	F					
3	I		I			
2		G		A	I	A
1		A		G		G

The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor. Hence, case 1 and case 2 get eliminated.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5	E		F	C	F	
4	F		E	J		
3	I	B	I	B	E	B
2	H	G	H	A	I	A
1	D	A	D	G		G

So, the final arrangement is-

Floors	Flat 2	Flat 1
5	F	C
4	E	J
3	I	B
2	H	A
1	D	G

S98. Ans.(d)

Sol.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5			F		F	
4	F					
3	I		I			
2		G		A	I	A
1		A		G		G

The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor. Hence, case 1 and case 2 get eliminated.

Floors	CASE-1		CASE 1a		CASE-2	
	Flat-2	Flat-1	Flat 2	Flat 1	Flat-2	Flat-1
5	E		F	C	F	
4	F		E	J		
3	I	B	I	B	E	B
2	H	G	H	A	I	A
1	D	A	D	G		G

So, the final arrangement is-

Floors	Flat 2	Flat 1
5	F	C
4	E	J
3	I	B
2	H	A
1	D	G

Except option (d), all other options follow the same logic- Both persons live in the same floor.

S99. Ans.(b)

Sol.

More than one floor is above I who lives to the northwest of G. The number of floors below G is the same as above F who lives in different flat than G. A lives three floors below F but in different flat.

Floors	CASE 1		CASE 1a		CASE 2	
	Flat 2	Flat 1	Flat 2	Flat 1	Flat 2	Flat 1
5			F		F	
4	F					
3	I		I			
2		G		A	I	A
1		A		G		G

The direction of I with respect to A is the same as E with respect to B who lives on an odd numbered floor. H lives in the flat immediately above D but not on the top-most floor. C lives neither on the same floor as E nor on an even numbered floor. Hence, case 1 and case 2 get eliminated.

Floors	CASE-1		CASE 1a		CASE-2	
	Flat-2	Flat-1	Flat 2	Flat 1	Flat-2	Flat-1
5	E		F	C	F	
4	F		E	J		
3	I	B	I	B	E	B
2	H	G	H	A	I	A
1	D	A	D	G		G

So, the final arrangement is-

Floors	Flat 2	Flat 1
5	F	C
4	E	J
3	I	B
2	H	A
1	D	G

Two floors are between G and E

S100. Ans.(c)

Sol. Legal action and fix rate is proper course of action but life imprisonment will be extreme course of action.

S101. Ans.(a)

Sol.

L4@1#%A2DW^&S09L2!M<5%UY2^5@C

Here, numbers which are immediately preceded by a letter and immediately followed by a symbol are L4@, L2!, Y2^

S102. Ans.(b)

Sol.

L4@1#%A2DW^&S09L2!M<5%UY2^5@C

Here, letters which are immediately followed by a symbol but not immediately preceded by a number are DW^, !M<.

S103. Ans.(b)

Sol.

L4@1#%A2DW^&S09L2!M<5%UY2^5@C

Here, symbols which are immediately preceded by a letter and immediately followed by a number is M<5.

S104. Ans.(c)

Sol.

L4@1#%A2DW^&S09L2!M<5%UY2^5@C

Here, 8th to the left of the element which is 3rd element from the right end is M.

S105. Ans.(d)

Sol.

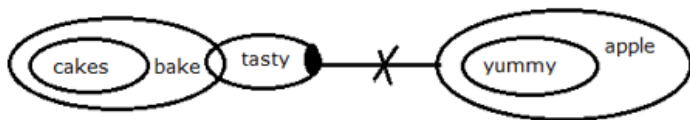
L4@1#%A2DW^&S09L2!M<5%UY2^5@C

Here, 8th element from the left end is 2 and 10th element from the right end is <.

So, there are three symbols (^, !, &) between them.

S106. Ans.(b)

Sol.



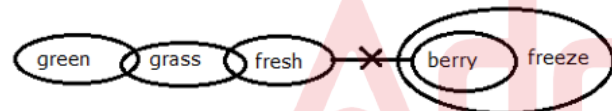
S107. Ans.(a)

Sol.



S108. Ans.(c)

Sol.



S109. Ans.(e)

Sol. Both the Statement I and II are effects of some common causes. And cause is increasing case of covid 19. Central government has been trying to increase medical infrastructure. And players have withdrawn their name due to fear.

S110. Ans.(d)

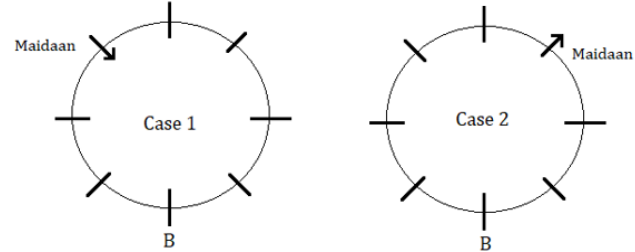
Sol. Both the Statements I and II are effects of independent causes. Bihar has good result may be due to students have studied well or due to education system get improved in Bihar.

Transport facility has been improved may be due to good governance.

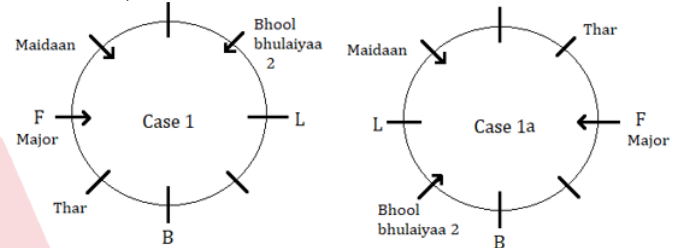
S111. Ans.(a)

Sol.

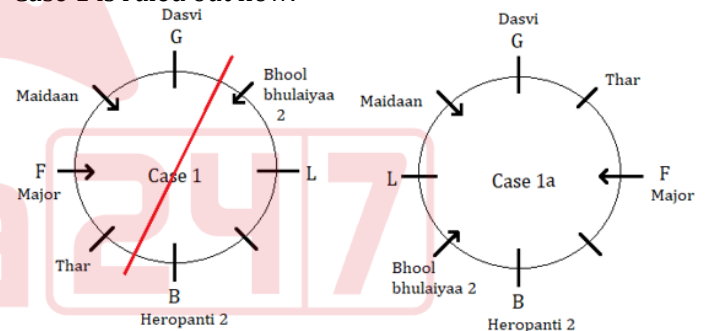
From the given statements, B sits 3rd to the right of the one who watches Maidaan. Here we get 2 possible cases.



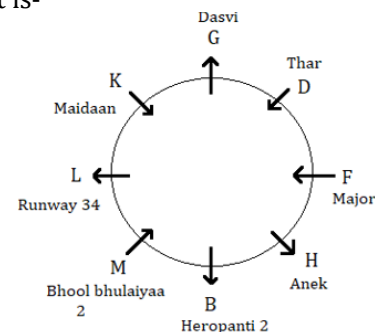
L sits immediate left of the one who watches Bhoolbhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. Here Case 2 is ruled out now and one more possibility is added i.e., case 1a.



G watches Dasvi and sits opposite to the one who watches Heropanti 2. G and the one who watches Bhoolbhulaiyaa-2 are not an immediate neighbour. From these conditions Case 1 is ruled out now.



H watches Anek and sits 2nd to the left of D. Four of them are facing the centre while four of them are facing outside the centre. Now only one movie remains Runway 34 which is watch by L. K and B are not an immediate neighbour. M does not watch Thar. So, the final arrangement is-

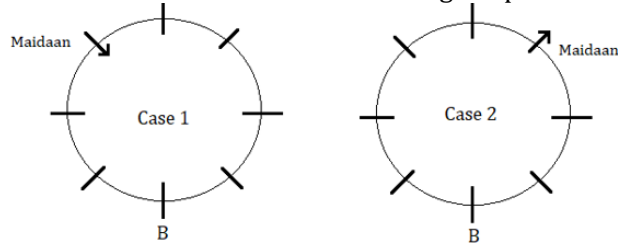


Three persons sit between H and the one who watches Maidaan.

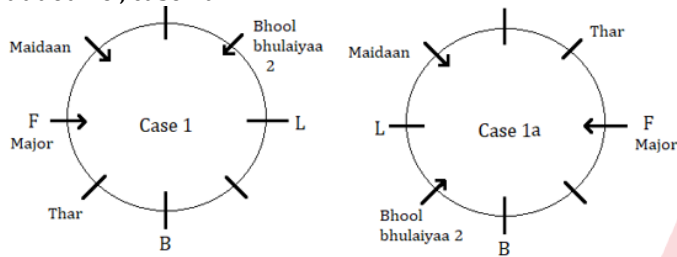
S112. Ans.(b)

Sol.

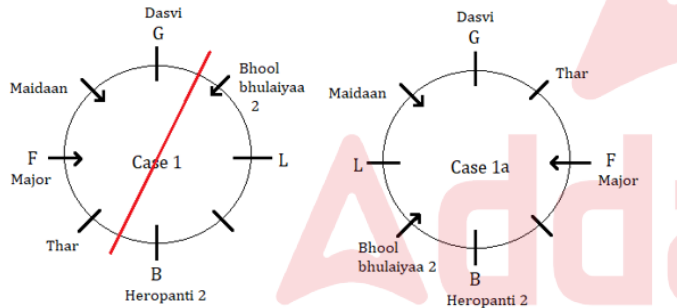
From the given statements, B sits 3rd to the right of the one who watches Maidaan. Here we get 2 possible cases.



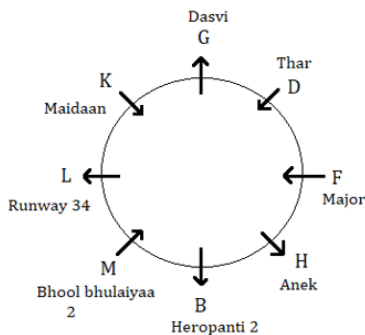
L sits immediate left of the one who watches Bhoolbhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. Here Case 2 is ruled out now and one more possibility is added i.e., case 1a.



G watches Dasvi and sits opposite to the one who watches Heropanti 2. G and the one who watches Bhoolbhulaiyaa-2 are not an immediate neighbour. From these conditions Case 1 is ruled out now.



H watches Anek and sits 2nd to the left of D. Four of them are facing the centre while four of them are facing outside the centre. Now only one movie remains Runway 34 which is watch by L. K and B are not an immediate neighbour. M does not watch Thar. So, the final arrangement is-

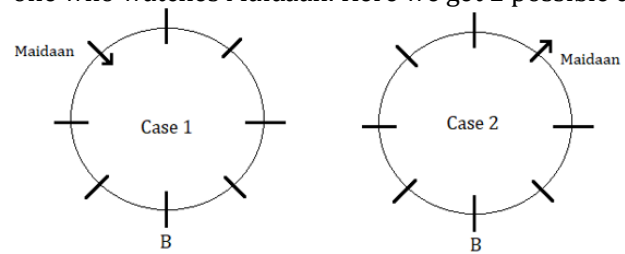


Only option (b) is correct combinations while other options are not matched correct

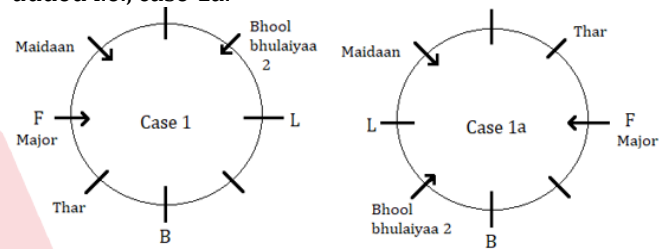
S113. Ans.(d)

Sol.

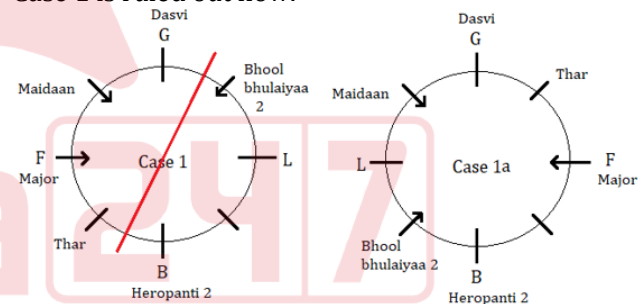
From the given statements, B sits 3rd to the right of the one who watches Maidaan. Here we get 2 possible cases.



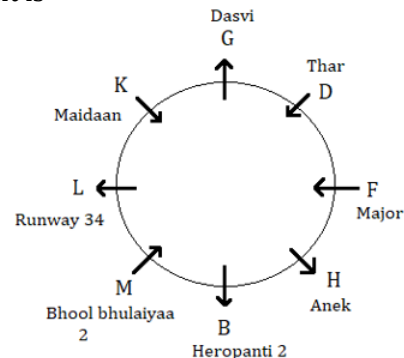
L sits immediate left of the one who watches Bhoolbhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. Here Case 2 is ruled out now and one more possibility is added i.e., case 1a.



G watches Dasvi and sits opposite to the one who watches Heropanti 2. G and the one who watches Bhoolbhulaiyaa-2 are not an immediate neighbour. From these conditions Case 1 is ruled out now.



H watches Anek and sits 2nd to the left of D. Four of them are facing the centre while four of them are facing outside the centre. Now only one movie remains Runway 34 which is watch by L. K and B are not an immediate neighbour. M does not watch Thar. So, the final arrangement is-

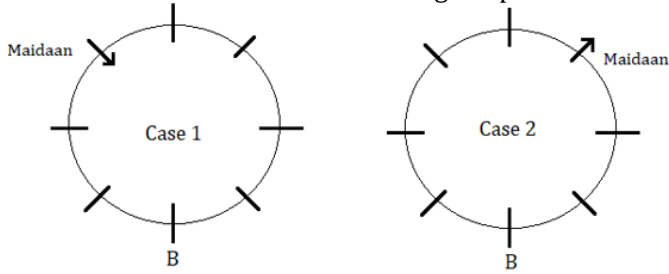


M sits 3rd to the left of the one who watches Major

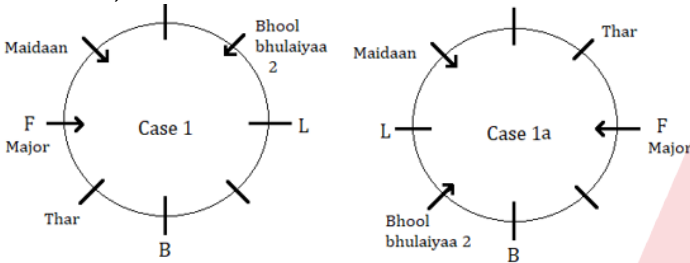
S114. Ans.(d)

Sol.

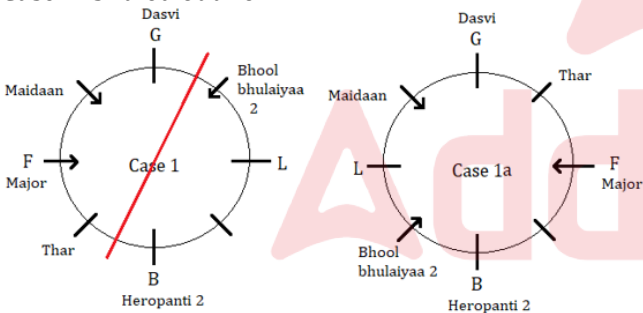
From the given statements, B sits 3rd to the right of the one who watches Maidaan. Here we get 2 possible cases.



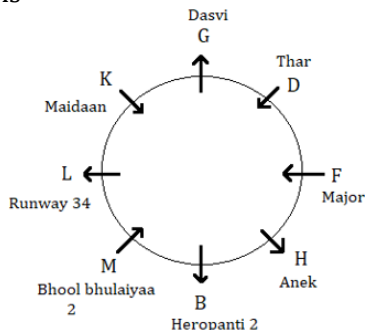
L sits immediate left of the one who watches Bhoobhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. Here Case 2 is ruled out now and one more possibility is added i.e., case 1a.



G watches Dasvi and sits opposite to the one who watches Heropanti 2. G and the one who watches Bhoobhulaiyaa-2 are not an immediate neighbour. From these conditions Case 1 is ruled out now.



H watches Anek and sits 2nd to the left of D. Four of them are facing the centre while four of them are facing outside the centre. Now only one movie remains Runway 34 which is watch by L. K and B are not an immediate neighbour. M does not watch Thar. So, the final arrangement is-

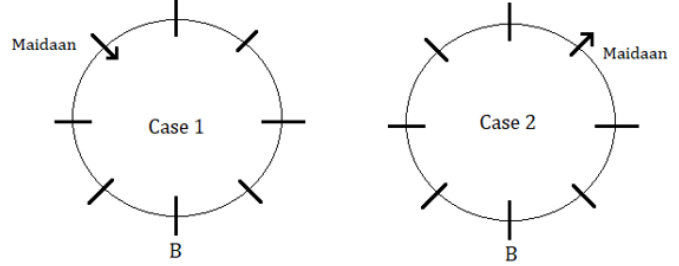


None of the statement are true

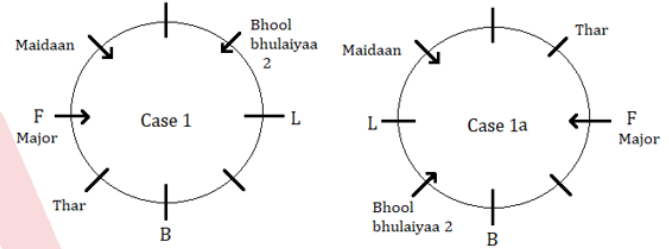
S115. Ans.(d)

Sol.

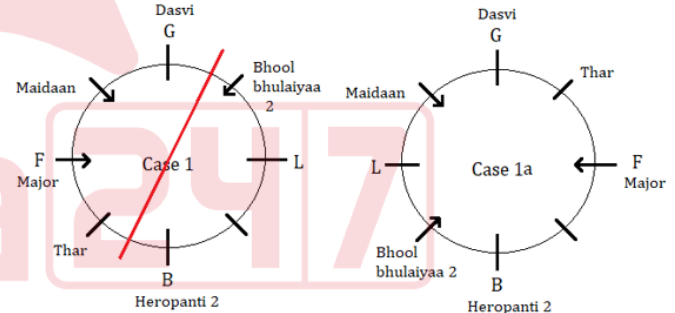
From the given statements, B sits 3rd to the right of the one who watches Maidaan. Here we get 2 possible cases.



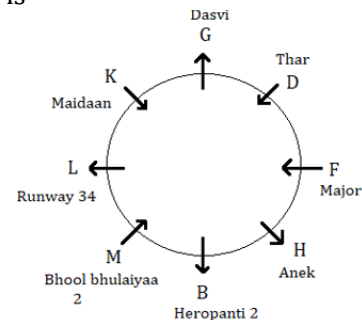
L sits immediate left of the one who watches Bhoobhulaiyaa-2 who faces to the one who watches Thar. F watches Major and faces to L but no one sit near to B. Here Case 2 is ruled out now and one more possibility is added i.e., case 1a.



G watches Dasvi and sits opposite to the one who watches Heropanti 2. G and the one who watches Bhoobhulaiyaa-2 are not an immediate neighbour. From these conditions Case 1 is ruled out now.



H watches Anek and sits 2nd to the left of D. Four of them are facing the centre while four of them are facing outside the centre. Now only one movie remains Runway 34 which is watch by L. K and B are not an immediate neighbour. M does not watch Thar. So, the final arrangement is-

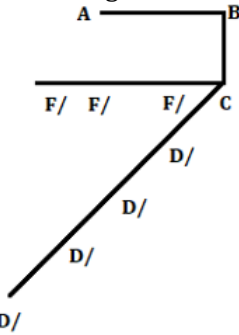


K and the one who watches Bhoobhulaiyaa-2 both are immediate neighbour of the one who watches Runway 34

S116. Ans.(d)

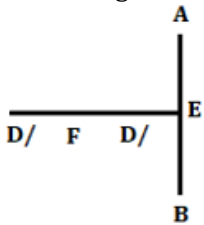
Sol. From I. A is in West of B. C is in North-east of D. C is in South of B. F is in West of C.

We can't get the answer only from I.



From II. A is in North of E. F is in West of E. E is in North of B. D is in West of E.

We can't get the answer only from II.



Even by combining the both we can't get the answer.

S117. Ans.(c)

Sol.

Equal number of persons is shorter and taller than Daya. Arti is shorter than Arnav who is not the tallest. Jaya is just taller than Subhangi. Here we get to know that Jaya is the tallest among all.

From I. **Jaya > Subhangi > Daya > Arnav > Arti**

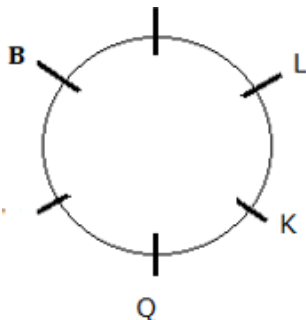
Two persons between Arti and Arnav. Subhangi is taller than Jaya and shorter than Daya. Jaya is not the shortest person. Here we get to know that Daya is the tallest among all.

From II. **Daya > Arti/Arnav > Subhangi > Jaya > Arnav/Arti**

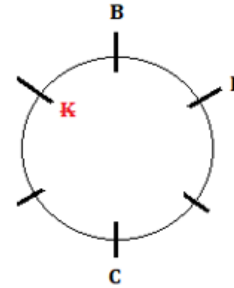
S118. Ans.(d)

Sol. We can't get the answer even after combining the both I and II.

From I. L sits two places away from B. One person sits between B and Q. K sits immediate right of Q but not sit near to B.



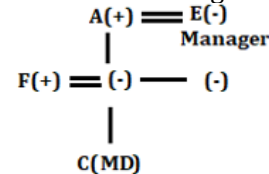
From II. P sits 2nd to the right of C. B sits 3rd to the left of C but not sit near to K.



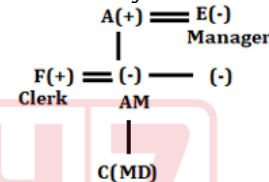
S119. Ans.(a)

Sol.

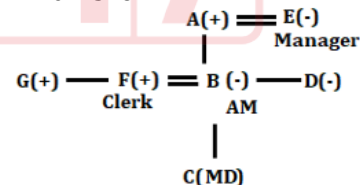
From the given statements, A is the maternal grandfather of the one who is MD. Not more than one person in third generation Which means the one who is MD is single in his/her generation. F is the father of C and son-in-law of E who is the manager. A has only two daughters. In a family having three generation. There are two married couple in the family. From this condition we get that C is the MD.



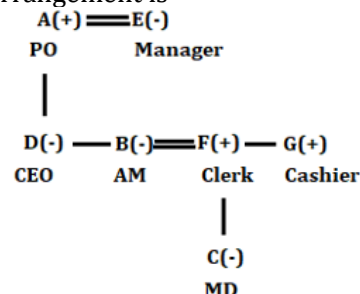
Those who are clerk and AM are married with each other. F is not AM. Which means F is clerk because only two married couples in the family and married with AM.



G is the brother-in-law of D who is unmarried. Now only one place left which is for B.



The one who is cashier is neither E's spouse nor E's child. Which means G is a cashier. The one who is PO is older than the one who is CEO. The gender of B and C is same. So, the final arrangement is-

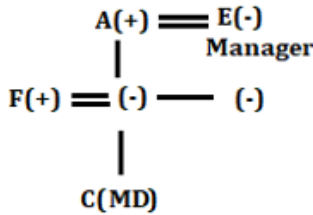


B is the sister of D and mother of C

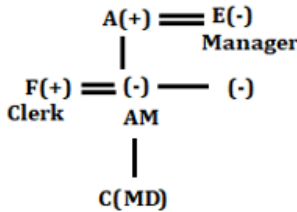
S120. Ans.(b)

Sol.

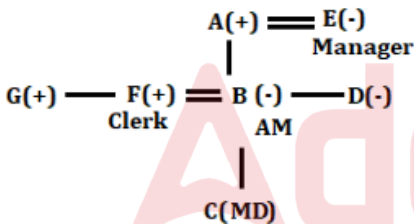
From the given statements, A is the maternal grandfather of the one who is MD. Not more than one person in third generation Which means the one who is MD is single in his/her generation. F is the father of C and son-in-law of E who is the manager. A has only two daughters. In a family having three generation. There are two married couple in the family. From this condition we get that C is the MD.



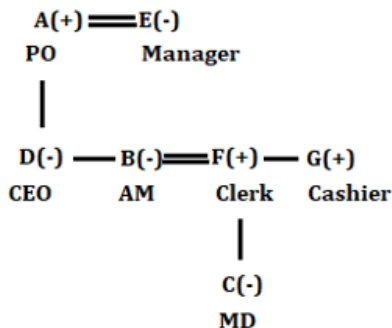
Those who are clerk and AM are married with each other. F is not AM. Which means F is clerk because only two married couples in the family and married with AM.



G is the brother-in-law of D who is unmarried. Now only one place left which is for B.



The one who is cashier is neither E's spouse nor E's child. Which means G is a cashier. The one who is PO is older than the one who is CEO. The gender of B and C is same. So, the final arrangement is-

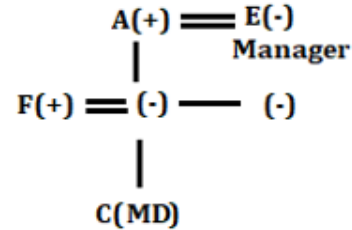


A is the PO and if only A is older to E than five persons younger to E who is the manager because only A and E are in first generation.

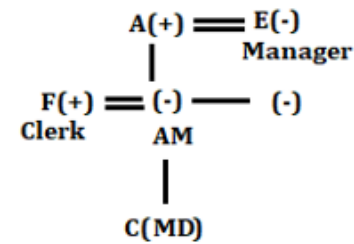
S121. Ans.(c)

Sol.

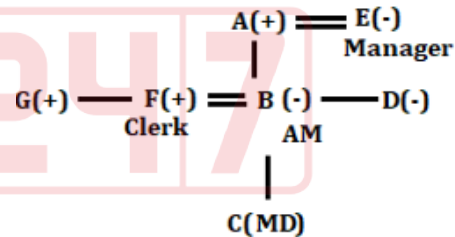
From the given statements, A is the maternal grandfather of the one who is MD. Not more than one person in third generation Which means the one who is MD is single in his/her generation. F is the father of C and son-in-law of E who is the manager. A has only two daughters. In a family having three generation. There are two married couple in the family. From this condition we get that C is the MD.



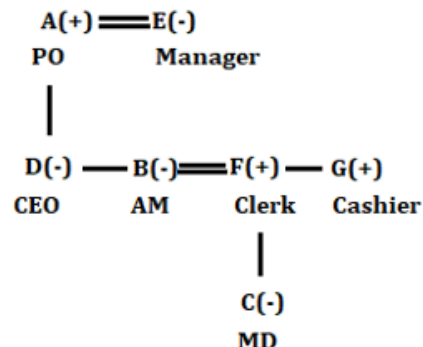
Those who are clerk and AM are married with each other. F is not AM. Which means F is clerk because only two married couples in the family and married with AM.



G is the brother-in-law of D who is unmarried. Now only one place left which is for B.



The one who is cashier is neither E's spouse nor E's child. Which means G is a cashier. The one who is PO is older than the one who is CEO. The gender of B and C is same. So, the final arrangement is-

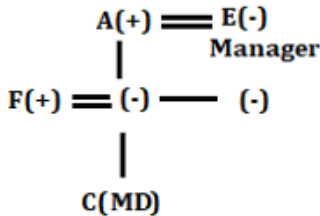


B is the Assistant manager (AM)

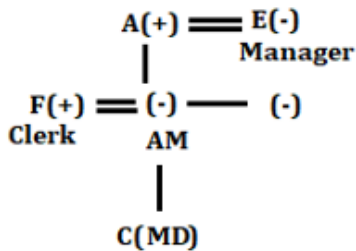
S122. Ans.(a)

Sol.

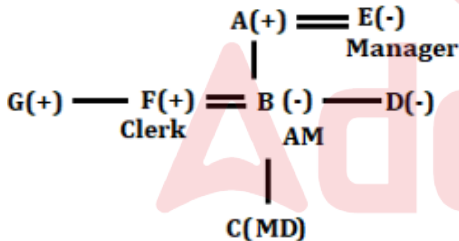
From the given statements, A is the maternal grandfather of the one who is MD. Not more than one person in third generation Which means the one who is MD is single in his/her generation. F is the father of C and son-in-law of E who is the manager. A has only two daughters. In a family having three generation. There are two married couple in the family. From this condition we get that C is the MD.



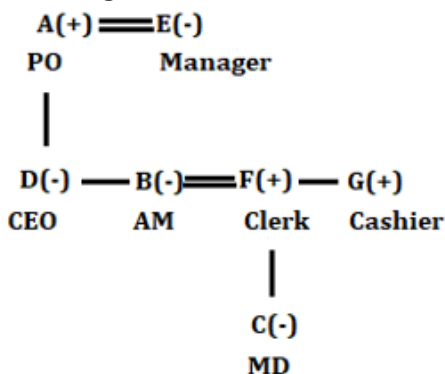
Those who are clerk and AM are married with each other. F is not AM. Which means F is clerk because only two married couples in the family and married with AM.



G is the brother-in-law of D who is unmarried. Now only one place left which is for B.



The one who is cashier is neither E's spouse nor E's child. Which means G is a cashier. The one who is PO is older than the one who is CEO. The gender of B and C is same. So, the final arrangement is-



A is the male while others are females

S123. Ans.(a)

Sol. In row-1

Odd number is followed by an even number so = $19+8 = 27$

Odd number is followed by an odd number so = $27/9 = 3$

In row-2

Even number is followed by odd number so = $14 * 17 = 238$

Even number is followed by an even number so = $238+6 = 244$

So, the sum of resultant of two rows = $3+ 244 = 247$

S124. Ans.(e)

Sol. In row-1

Even number is followed by even number so = $6 + 6 = 12$

Even number is followed by an odd number so = $12 * 3 = 36$

In row-2

Odd number is followed by an even number so = $11+2 = 13$

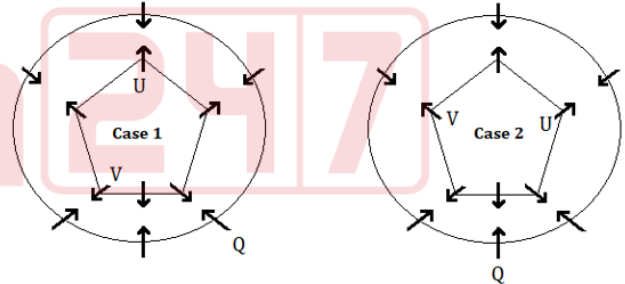
Odd number is followed by another odd number so = $13/13 = 1$

So, the difference between the resultant of the both rows = $36-1 = 35$

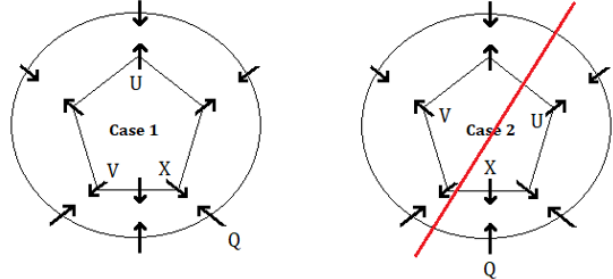
S125. Ans.(b)

Sol.

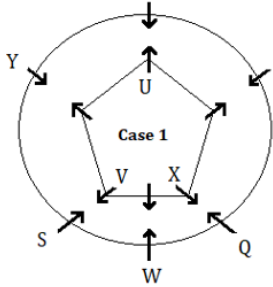
From the given statements, Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. From this condition we get to know that Q sit around the circular table and we have 2 possible cases. One person sits between U and V who does not face Q.



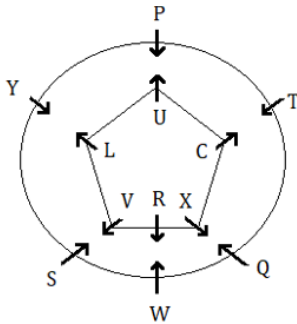
X and Q sit on the different table. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. Here Case 2 is ruled out now because the given conditions not satisfy in case 2.



Y sits immediate left of S who sits 5th to the right of W. W does not face the one who sits at any of the corner of a table.



T faces to C who sits 4th to the left of L. From this condition we get only one possibility that T sits at outer table and C sits at the inner table. R and P does not sit on the same table. U does not face R. So, the final arrangement is -

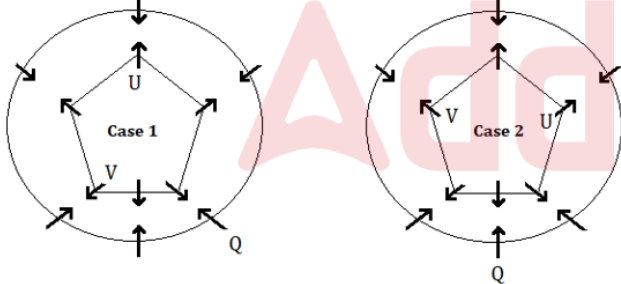


U sits 5th to the right of C

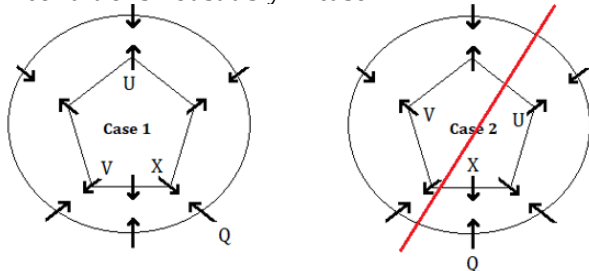
S126. Ans.(a)

Sol.

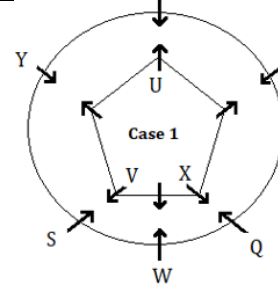
From the given statements, Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. From this condition we get to know that Q sit around the circular table and we have 2 possible cases. One person sits between U and V who does not face Q.



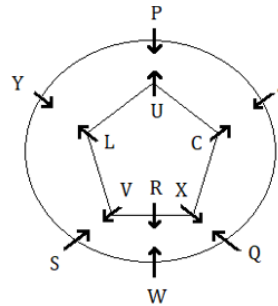
X and Q sit on the different table. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. Here Case 2 is ruled out now because the given conditions not satisfy in case 2.



Y sits immediate left of S who sits 5th to the right of W. W does not face the one who sits at any of the corner of a table.



T faces to C who sits 4th to the left of L. From this condition we get only one possibility that T sits at outer table and C sits at the inner table. R and P does not sit on the same table. U does not face R. So, the final arrangement is -

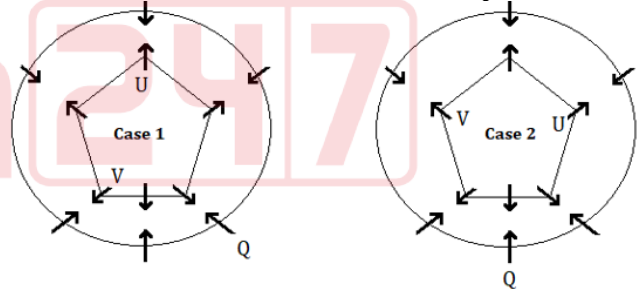


W sits 2nd to the left of the one who faces to C

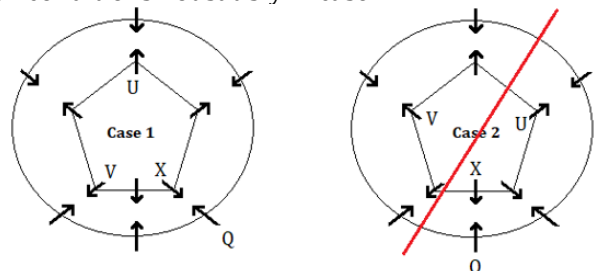
S127. Ans.(a)

Sol.

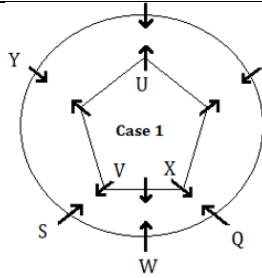
From the given statements, Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. From this condition we get to know that Q sit around the circular table and we have 2 possible cases. One person sits between U and V who does not face Q.



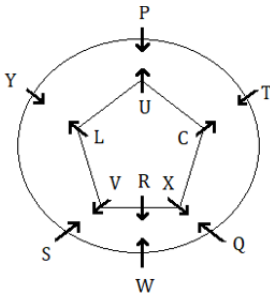
X and Q sit on the different table. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. Here Case 2 is ruled out now because the given conditions not satisfy in case 2.



Y sits immediate left of S who sits 5th to the right of W. W does not face the one who sits at any of the corner of a table.



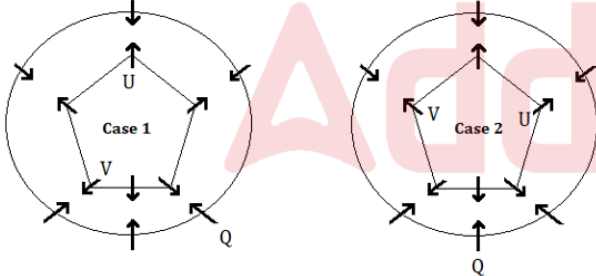
T faces to C who sits 4th to the left of L. From this condition we get only one possibility that T sits at outer table and C sits at the inner table. R and P does not sit on the same table. U does not face R. So, the final arrangement is -



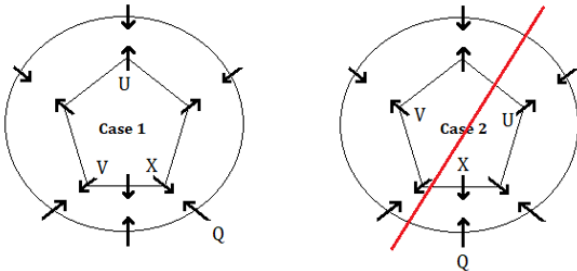
Three persons sit between T and W, when counted to the left of W

S128. Ans.(b)
Sol.

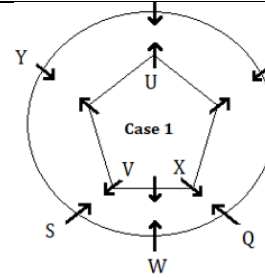
From the given statements, Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. From this condition we get to know that Q sit around the circular table and we have 2 possible cases. One person sits between U and V who does not face Q.



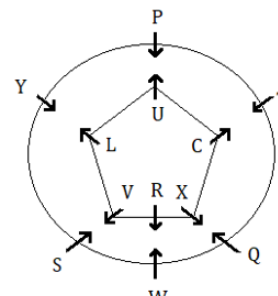
X and Q sit on the different table. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. Here Case 2 is ruled out now because the given conditions not satisfy in case 2.



Y sits immediate left of S who sits 5th to the right of W. W does not face the one who sits at any of the corner of a table.



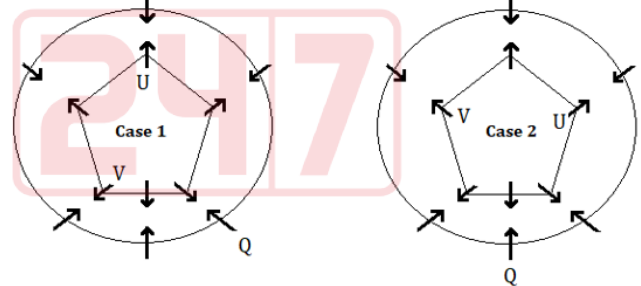
T faces to C who sits 4th to the left of L. From this condition we get only one possibility that T sits at outer table and C sits at the inner table. R and P does not sit on the same table. U does not face R. So, the final arrangement is -



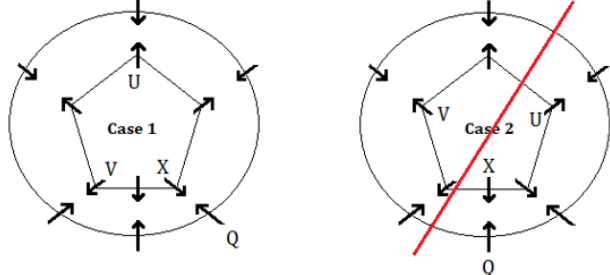
T, Q, and Y sit in the same table

S129. Ans.(c)
Sol.

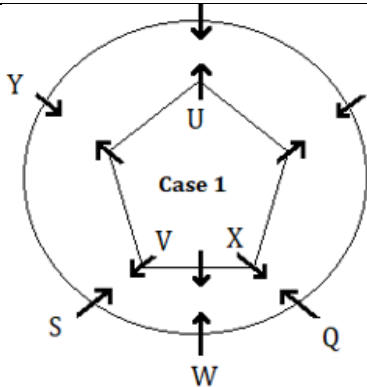
From the given statements, Q faces to the one who sits 2nd to the right of U but not sit at the pentagonal shape table. From this condition we get to know that Q sit around the circular table and we have 2 possible cases. One person sits between U and V who does not face Q.



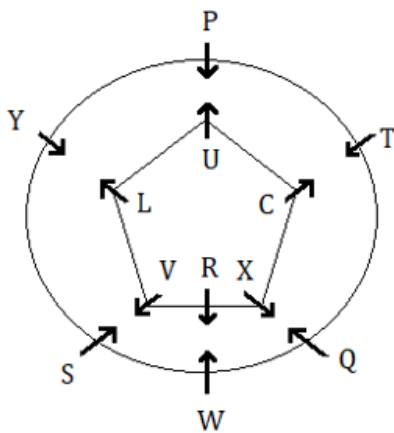
X and Q sit on the different table. X does not sit near V and U. The one who sits immediate right of X sits at the middle side of table. Here Case 2 is ruled out now because the given conditions not satisfy in case 2.



Y sits immediate left of S who sits 5th to the right of W. W does not face the one who sits at any of the corner of a table.



T faces to C who sits 4th to the left of L. From this condition we get only one possibility that T sits at outer table and C sits at the inner table. R and P does not sit on the same table. U does not face R. So, the final arrangement is -



R sits in the middle side of table while other four sit at the corner of the table

S130. Ans.(c)

Sol. Option (a)-False-Reason: It support the motive behind the verdict by High Court. If there will be provision of penalty, there will be fear and awareness to wear masks.

Option (b)-False-Reason: It supports the motive behind verdict.

Option (c)-True-Reason: If police personnel will be allowed driving without mask, they also can be carrier of deadly virus and other people will also be motivated in wrong direction.

Option (d) False-It also supports the motive behind verdict by High Court as wearing mask in public transport which will prevent the spread of the deadly virus.

S131. Ans.(b)

Sol. Option (I)-True-Reason: High court is giving verdict about the people in Delhi, it means they are assuming that all will follow the rules.

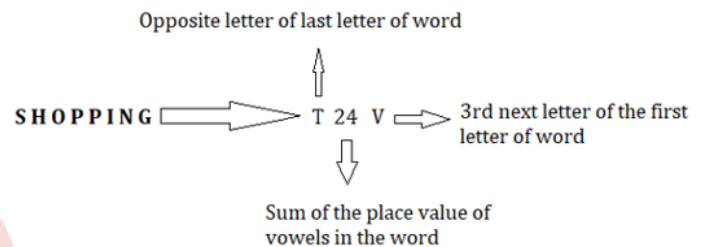
Option (II)-True-Reason: High court is giving importance to mask, they are terming it as "Suraksha Kavach". Surely, people will get aware.

Option (III)-False-Reason: Appeal to wear mask has been done, but due to this car will not be less on the road. As there is not any lockdown or curfew.

Directions (132-135):

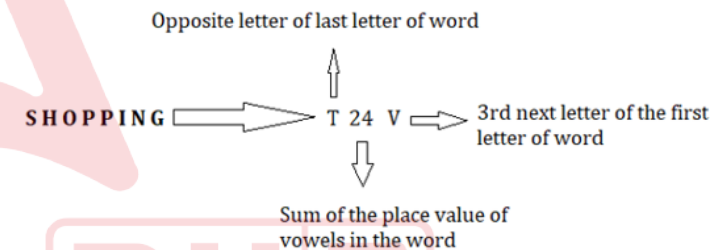
S132. Ans.(b)

Sol.



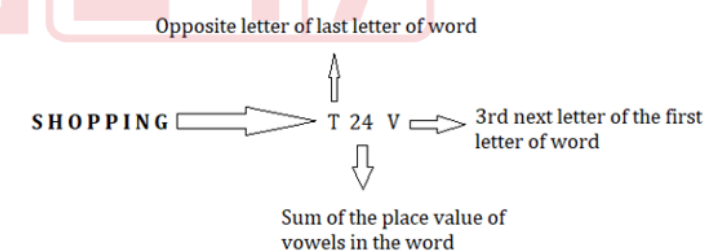
S133. Ans.(c)

Sol.



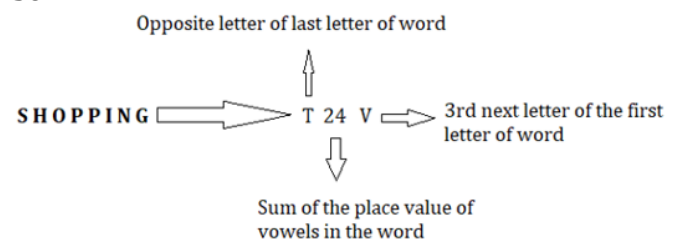
S134. Ans.(a)

Sol.



S135. Ans.(d)

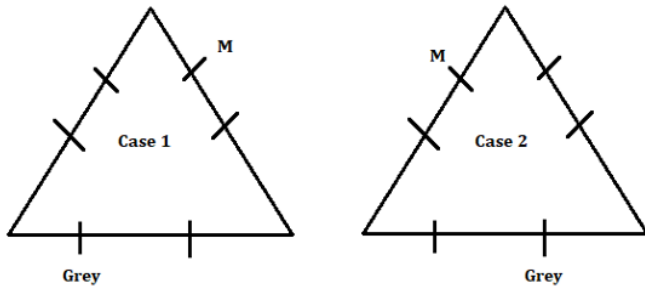
Sol.



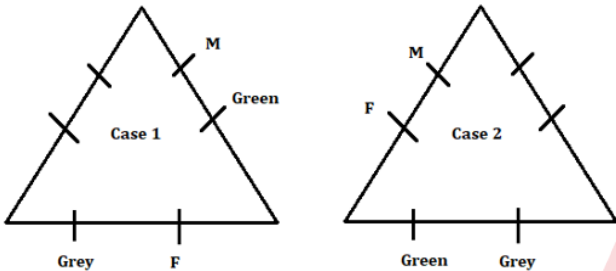
S136. Ans.(b)

Sol.

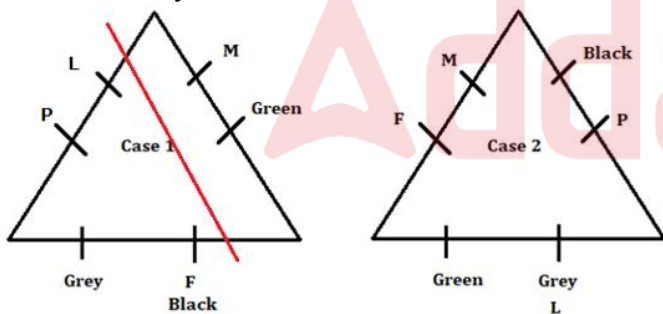
From the given statements, M does not paint his house with White but sits 3rd to the left of the one who paint his house with Grey. Here we get 2 possible cases.



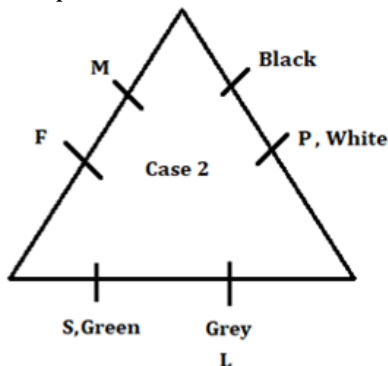
The one who paint his house with green sits immediate right of F but both sit at different side of table. M does not paint his house with Green. F does not paint his house with Grey.



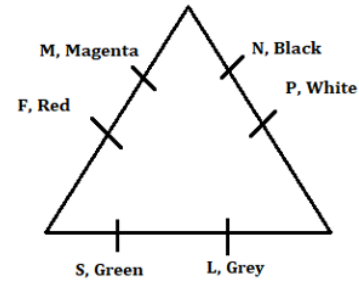
The one who paint his house with Black sits immediate right of P who sits immediate right of L. L is neither an immediate neighbour of F nor the one who paint his house with Grey. Now case 1 is ruled out now.



S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black.



The one who paint his house with Magenta is an immediate neighbour of N and the one who pain this house with Red. So, the final arrangement is-

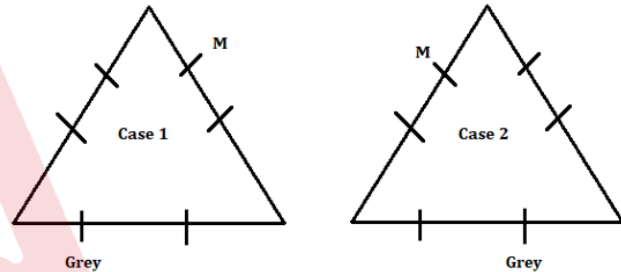


Two persons sit between M and the one who paint his house with Grey, when counted to the left of M.

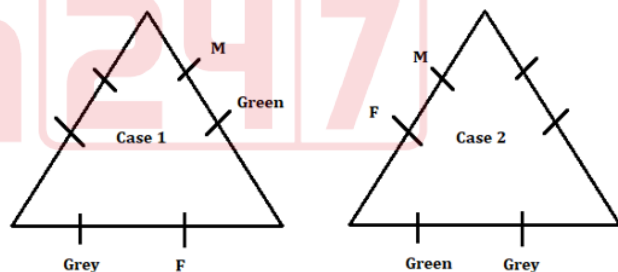
S137. Ans.(a)

Sol.

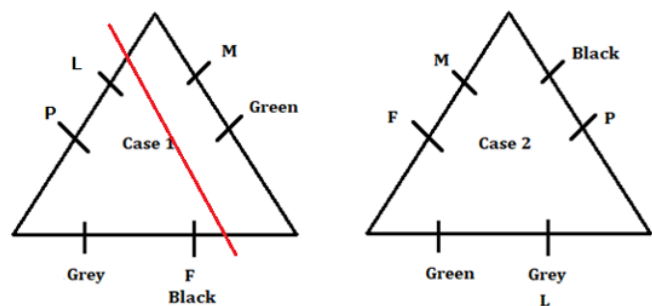
From the given statements, M does not paint his house with White but sits 3rd to the left of the one who paint his house with Grey. Here we get 2 possible cases.



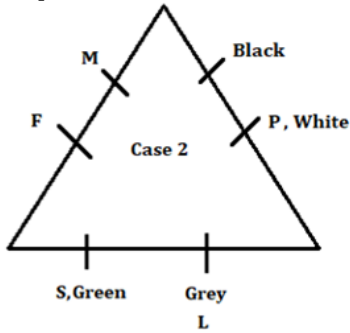
The one who paint his house with green sits immediate right of F but both sit at different side of table. M does not paint his house with Green. F does not paint his house with Grey.



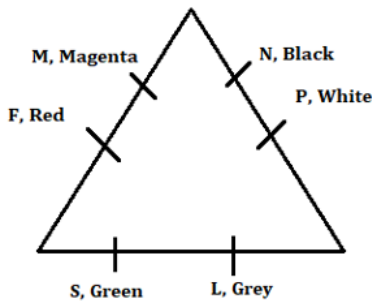
The one who paint his house with Black sits immediate right of P who sits immediate right of L. L is neither an immediate neighbour of F nor the one who paint his house with Grey. Now case 1 is ruled out now.



S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black.



The one who paint his house with Magenta is an immediate neighbour of N and the one who pain this house with Red. So, the final arrangement is-

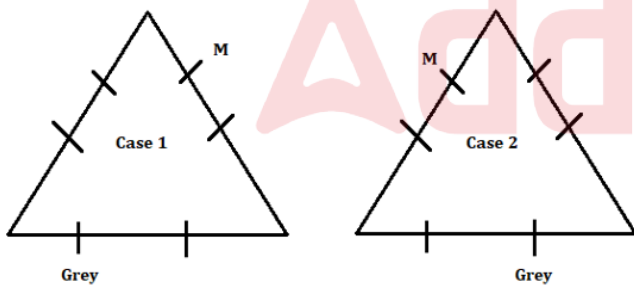


M paint his house with magenta

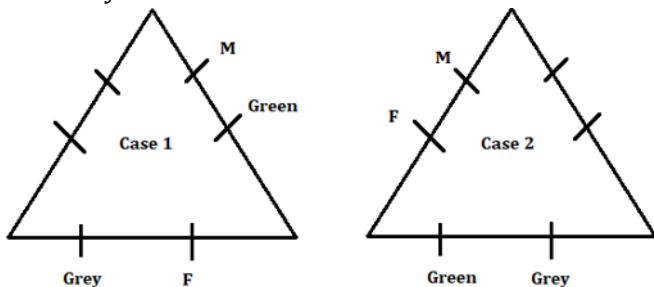
S138. Ans.(d)

Sol.

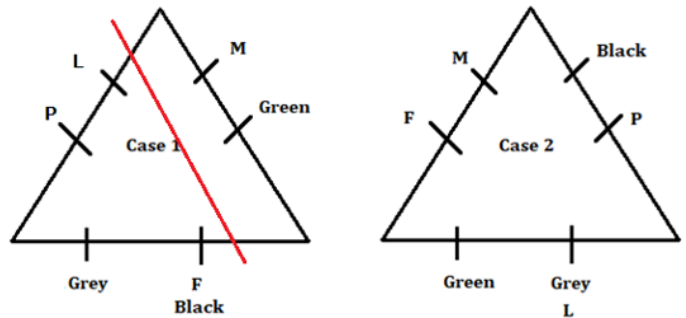
From the given statements, M does not paint his house with White but sits 3rd to the left of the one who paint his house with Grey. Here we get 2 possible cases.



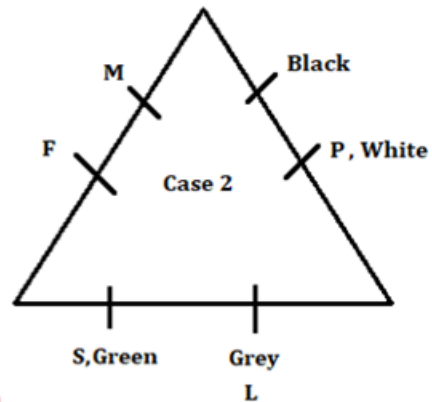
The one who paint his house with green sits immediate right of F but both sit at different side of table. M does not paint his house with Green. F does not paint his house with Grey.



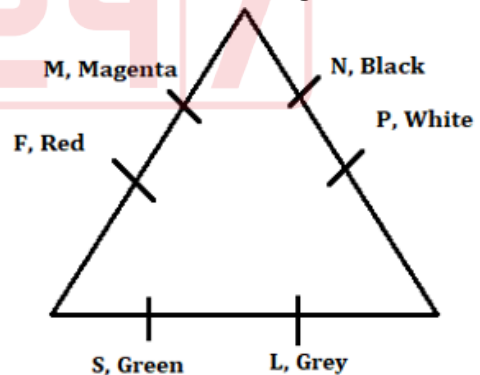
The one who paint his house with Black sits immediate right of P who sits immediate right of L. L is neither an immediate neighbour of F nor the one who paint his house with Grey. Now case 1 is ruled out now.



S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black.



The one who paint his house with Magenta is an immediate neighbour of N and the one who pain this house with Red. So, the final arrangement is-

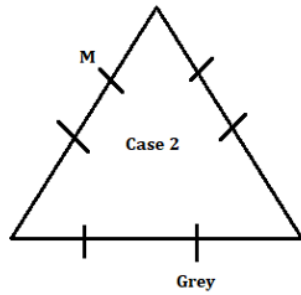
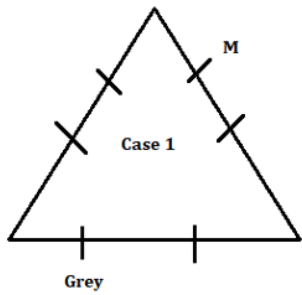


Only option (d) is matched correct while other options are wrong

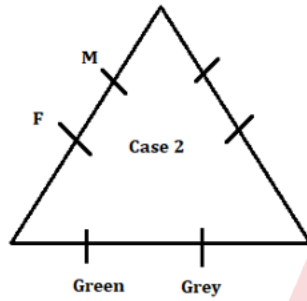
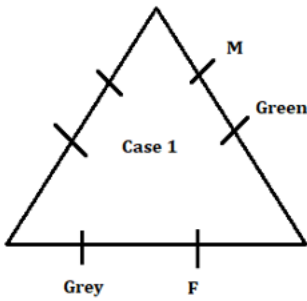
S139. Ans.(a)

Sol.

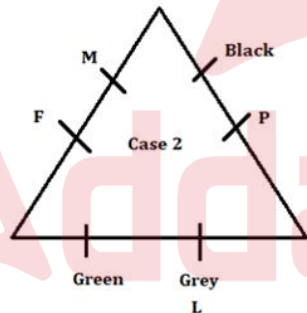
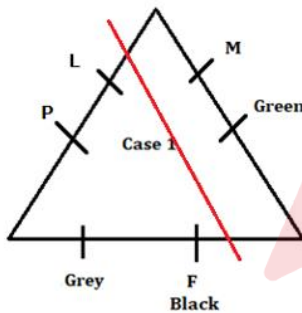
From the given statements, M does not paint his house with White but sits 3rd to the left of the one who paint his house with Grey. Here we get 2 possible cases.



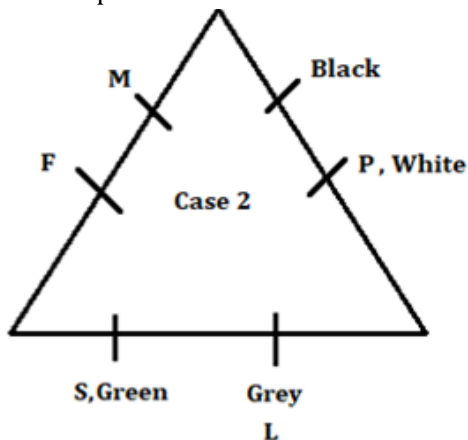
The one who paint his house with green sits immediate right of F but both sit at different side of table. M does not paint his house with Green. F does not paint his house with Grey.



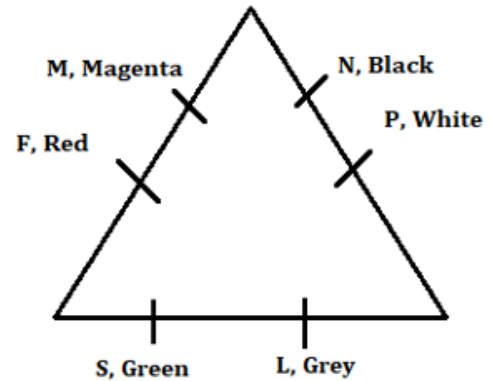
The one who paint his house with Black sits immediate right of P who sits immediate right of L. L is neither an immediate neighbour of F nor the one who paint his house with Grey. Now case 1 is ruled out now.



S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black.



The one who paint his house with Magenta is an immediate neighbour of N and the one who paint this house with Red. So, the final arrangement is-

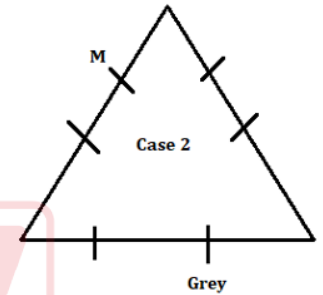
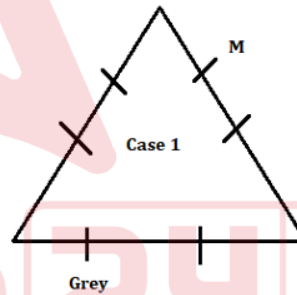


Both F and M sit on the same side of table

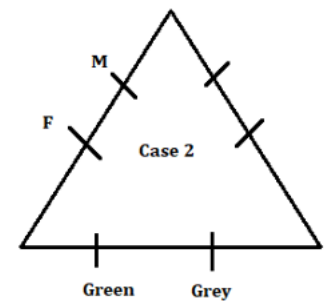
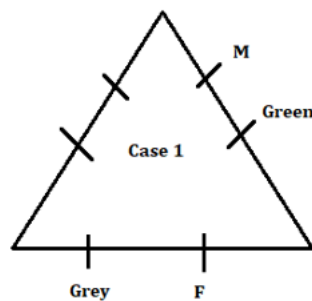
S140. Ans.(d)

Sol.

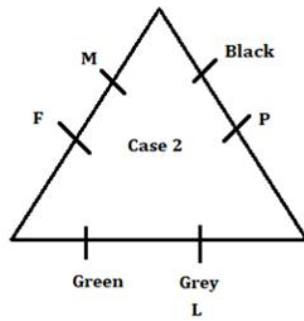
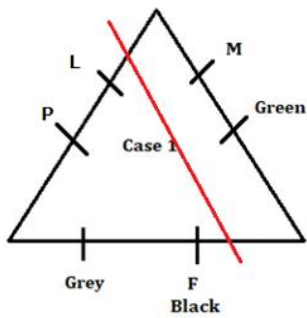
From the given statements, M does not paint his house with White but sits 3rd to the left of the one who paint his house with Grey. Here we get 2 possible cases.



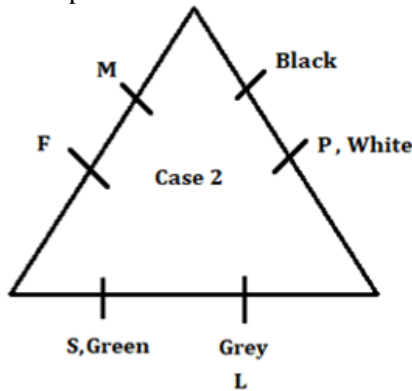
The one who paint his house with green sits immediate right of F but both sit at different side of table. M does not paint his house with Green. F does not paint his house with Grey.



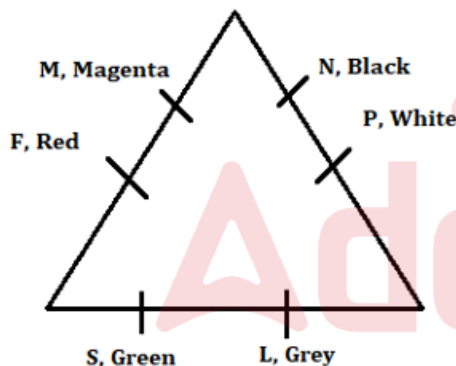
The one who paint his house with Black sits immediate right of P who sits immediate right of L. L is neither an immediate neighbour of F nor the one who paint his house with Grey. Now case 1 is ruled out now.



S sits 2nd to the left of the one who paint his house with white. S does not paint his house with black.



The one who paint his house with Magenta is an immediate neighbour of N and the one who paint this house with Red. So, the final arrangement is-



S141. Ans.(e)

Sol. By referring to the first paragraph of the passage, we can conclude that only options (a) and (c) are true. Refer for better understanding “We observe extreme dissimilarity in the pattern of the elderly living arrangements for the north-eastern states. The demographic variables like age, sex, marital status and number of surviving children become important contributor for the elderly living arrangements.”

S142. Ans.(c)

Sol. To validate the answer, refer to the first line of the second paragraph where it mentions “The world has experienced an increase in human life expectancy due to a decline in both fertility and mortality, and India is no exception to it.”

S143. Ans.(e)

Sol. From the second paragraph of the passage, we can conclude that all the given options are correct.

Option (a) and (b): refer “In India, at the beginning of the 20th century, life expectancy was about 25 years, which increased to 66 years at the present time. As a result, the number of older adults increased to 8% in 2011 and is expected to increase by another 12.6% in 2026.”

Option (c): refer to lines,” This is because, with the increase in the older population, there is a simultaneous decline in the number of younger family members to take care of the older adults”

Option (d): refer “It is worth mentioning here that the elderly or old age is in line with the National Policy on Older Persons adopted by Government of India in January 1999. The policy defines and identifies a person whose age is 60 years or above as “senior citizen” or “elderly.”

S144. Ans.(e)

Sol. To validate the answer, refer to the last paragraph of the passage, “The changes in the age structure and the switch from joint family to nuclear family are a source of concern for the support and care of older adults in India. This is because, with the increase in the older population, there is a simultaneous decline in the number of younger family members to take care of the older adults. Moreover, in India, home-based care from family members as primary caregivers is first and often the only option for a majority of older adults. In fact, most elderly parents prefer to live with their children or family than to live alone and also expect some material assistance and social support”

S145. Ans.(d)

Sol. To validate the answer, refer to the section where it mentions “However, in India, there are very few old-age homes for the deprived and the poor elderly run by the state and central governments. In India, the institutionalization of the aged is not popular and these facilities are not accessible, especially to the rural areas. In such a situation, the living arrangements of these older adults are of great concern.”

S146. Ans.(a)

Sol. The mentioned sentence suggested that the living condition of an elderly depends upon various factors including how he or she maintains the relationship with his or her kins. Thus, the word best fitted for the given blank is “maintain”, which means “to keep something in its current state”.

Allege: claim or assert that someone has done something illegal or wrong, typically without proof.

Sustain: able to be maintained at a certain rate or level

Advocate: anyone who adds that voice by representing another person in court

S147. Ans.(d)

Sol. “affordable” means “inexpensive; reasonably priced”. Thus, only “expensive” is the word that can be defined as the opposite of affordable. Note, here all the other given options are synonyms of affordable.

S148. Ans.(b)

Sol. The set of words that appropriately fits into the given blanks is “headway” and “resort”.

Passage: a space or path by which something or someone can go through

Resonate: produce or be filled with a deep, full, reverberating sound.

Headway: progress, especially when this is slow or difficult.

Resort: the action of resorting to a course of action in a difficult situation.

Influx: an arrival or entry of large numbers of people or things.

Retract: draw back.

S149. Ans.(a)

Sol. The set of words that appropriately fits into the given blanks is “argued” and “violated”.

Argued: give reasons or cite evidence in support of an idea, action, or theory

Violated: break or fail to comply with (a rule or formal agreement)

Perpetuated: make (something) continue indefinitely.

Nullify: make legally null and void; invalidate.

Proposal: a plan or suggestion, especially a formal or written one

Terminate: bring to an end.

S150. Ans.(a)

Sol. The set of words that appropriately fits into the given blanks is “incubated” and “destroys”.

Incubated: give support and aid the development of (a new small business).

Destroys: end the existence of (something) by damaging or attacking it.

Formulated: create or prepare methodically

Facilitate: make (an action or process) easy or easier.

Postulated: suggest or assume the existence, fact, or truth of (something) as a basis for reasoning

S151. Ans.(d)

Sol. The set of words that appropriately fit into the given blanks is “intact” and “turned up”

Jabbered: talk in a rapid, excited, and often incomprehensible way.

Gave up: cease making an effort; admit defeat.

Foreseen: be aware of beforehand; predict.

Appeared: come into sight; become visible or noticeable

Enclosed: surrounded or closed off on all sides.

Turned up: appeared

Intact: not damaged or impaired in any way; complete.

S152. Ans.(c)

Sol. The set of words that appropriately fit into the given blanks is “research” and “particular”

remedy: a medicine, application, or treatment that relieves or cures a disease

Particular: used to single out an individual member of a specified group or class.

Residual: a quantity remaining after other things have been subtracted or allowed for.

S153. Ans.(b)

Sol. Option (D) is an independent statement and clearly can be termed as the first statement as it initiates the passage with the definition of “fiscal policy”. Option (C) mentions the importance of it on global scale including in India, whereas option (A) particularly suggests its significance from India’s point of view. Option (E) further stresses the importance, thus making it the fourth statement in this rearrangement. The functioning of fiscal policy is mentioned in option (F) and later on proceeded in option (B). Hence the rearrangement is DCAEFB.

S154. Ans.(c)

Sol. Option (D) is an independent statement and clearly can be termed as the first statement as it initiates the passage with the definition of “fiscal policy”. Option (C) mentions the importance of it on global scale including in India, whereas option (A) particularly suggests its significance from India’s point of view. Option (E) further stresses the importance, thus making it the fourth statement in this rearrangement. The functioning of fiscal policy is mentioned in option (F) and later on proceeded in option (B). Hence the rearrangement is DCAEFB.

S155. Ans.(d)

Sol. Option (D) is an independent statement and clearly can be termed as the first statement as it initiates the passage with the definition of “fiscal policy”. Option (C) mentions the importance of it on global scale including in India, whereas option (A) particularly suggests its significance from India’s point of view. Option (E) further stresses the importance, thus making it the fourth statement in this rearrangement. The functioning of fiscal policy is mentioned in option (F) and later on proceeded in option (B). Hence the rearrangement is DCAEFB.

S156. Ans.(e)

Sol. Option (D) is an independent statement and clearly can be termed as the first statement as it initiates the passage with the definition of “fiscal policy”. Option (C) mentions the importance of it on global scale including in India, whereas option (A) particularly suggests its significance from India’s point of view. Option (E) further stresses the importance, thus making it the fourth statement in this rearrangement. The functioning of fiscal policy is mentioned in option (F) and later on proceeded in option (B). Hence the rearrangement is DCAEFB.

S157. Ans.(a)

Sol. Option (D) is an independent statement and clearly can be termed as the first statement as it initiates the passage with the definition of “fiscal policy”. Option (C) mentions the importance of it on global scale including in India, whereas option (A) particularly suggests its significance from India’s point of view. Option (E) further stresses the importance, thus making it the fourth statement in this rearrangement. The functioning of fiscal policy is mentioned in option (F) and later on proceeded in option (B). Hence the rearrangement is DCAEFB.

S158. Ans.(b)

Sol. Only sentence (B) has the error. Here, “replaced” must be changed with “replacing”. The sentence is in future tense hence “replaced” is the wrong usage here.

S159. Ans.(b)

Sol. Only sentences (B) and (C) have the errors. In option (B), “significant” is the wrong usage and must be changed with “significance”. Here we need noun, thus “significance” is the right form, not “significant” which is an adjective. In option (C), “turns” will replace “turn”, since “BIMSTEC” is a singular noun.

S160. Ans.(a)

Sol. Option (A) is the only incorrect statement. In option (A), “it’s” should be replaced with “its”. “its” shows belongingness, whereas “it’s” is the short form of “it is”.

S161. Ans.(e)

Sol. All these sentences are grammatically correct

S162. Ans.(c)

Sol. Only option (C) has the error. In option (C), “showed” must be replaced with “shown” as the structure is “has/have+ V3”. The V3 form of “show” is “shown”.

S163. Ans.(d)

Sol. “work out” means “find the answer or solution” also “exercise”. Thus, both option (A) and (C) have the correct usage.

S164. Ans.(b)

Sol. “lose touch” means “to unintentionally decrease frequency of communication with someone over the years” and also “to no longer be skilled in doing something”, in this usage, a possessive pronoun Should be used between “lost” and “touch”. Thus, the sentences that have the correct usage of the given idiom/phrasal verb are options (B) and (C).

S165. Ans.(a)

Sol. “Wear your heart on your sleeves” means “show your emotions openly and you don't try to hide your feelings.” Thus, only (A) has the correct usage of the idiom/phrasal verb.

S166. Ans.(b)

Sol. Interchange of (B)-(C) will give a grammatically and contextually correct statement. Thus, the sentence will be “Non-judgmental understanding of how students learn everyday will enable us to capture the leading-edge behavior, something that individuals do to adapt to changes.”

S167. Ans.(a)

Sol. Interchange of (A)-(D) will give a grammatically and contextually correct statement. Thus, the sentence will be “This tendency itself has rendered a deep crisis for those with lower educational qualifications who strive for the more modest government jobs, and for whom such employment has traditionally been envisaged.”

S168. Ans.(c)

Sol. Interchange of (A)-(D) and (B)-(C) will give a grammatically and contextually correct statement. Thus, the sentence will be “In the backdrop of a large number of skilled and overqualified people languishing in the throes of unemployment, the shrill rhetoric of ‘Skill India’ rings hollow.”

S169. Ans.(e)

Sol. All the words in the given sentence are appropriately placed and do not need any change.

S170. Ans.(d)

Sol. Interchange of (C)-(D) will give a grammatically and contextually correct statement. Thus, the sentence will be “Using a display that supports VRR technology, players can expect smooth and lag-free visuals in fast-paced games.”

S171. Ans.(e)

Sol.

$$\begin{aligned} \text{Total number of students in institute A} &= \frac{80}{40} \times 100 = 200 \\ \text{Total number of students in institute D} &= \frac{108}{30} \times 100 = 360 \\ \text{Number of mentors in institute A} &= \frac{200}{8} = 25 \\ \text{Number of mentors in institute D} &= \frac{360}{24} = 15 \\ \text{Required \%} &= \frac{25-15}{25} \times 100 \\ &= \frac{10}{25} \times 100 = 40\% \end{aligned}$$

S172. Ans.(c)

Sol.

$$\begin{aligned} \text{Number of girls after increment} &= 90 \times 1.6 = 144 \\ \text{Number of boys after increment} &= \frac{90}{36} \times 64 \times \frac{135}{100} = 216 \\ \text{Number of students under one mentor after increment} &= 25 \times 1.2 = 30 \\ \text{Total number of mentors required after increment} &= \frac{144+216}{30} \\ &= \frac{360}{30} = 12 \\ \text{Total number of mentors before increment} &= \frac{90 + \frac{90}{36} \times 64}{25} \\ &= \frac{90 + 160}{25} = \frac{250}{25} = 10 \\ \text{Number of mentors more required} &= 12 - 10 = 2 \end{aligned}$$

S173. Ans.(d)

Sol.

$$\begin{aligned} \text{Total number of students in institute B \& C together} \\ &= \frac{144}{32} \times 100 + \frac{176}{55} \times 100 = 450 + 320 \\ &= 770 \\ \text{Total number of students in institute D \& E together} \\ &= \frac{108}{30} \times 100 + \frac{90}{36} \times 100 \\ &= 360 + 250 \\ &= 610 \\ \text{Required difference} &= 770 - 610 = 160 \end{aligned}$$

S174. Ans.(b)

Sol.

$$\begin{aligned} \text{Total number of students in institute C} &= \frac{176}{55} \times 100 \\ &= 320 \\ \text{Number of mentors in institute C} &= \frac{320}{16} = 20 \\ \text{Male mentors in institute C} &= 20 \times \frac{35}{100} = 7 \end{aligned}$$

S175. Ans.(d)

Sol.

$$\begin{aligned} \text{Total number of students in institute F} &= \frac{108}{30} \times 100 \times \frac{115}{100} \\ &= 414 \\ \text{Total number of students under one mentor in institute F} &= 15 \times 1.2 = 18 \\ \text{Number of mentors required in institute F} &= \frac{414}{18} \\ &= 23 \end{aligned}$$

S176. Ans.(a)

Sol.

$$\begin{aligned} \text{Quantity of Milk in Container A} &= \frac{x}{x+3} \times 400 \\ \text{Quantity of Water in Container A} &= \frac{3}{x+3} \times 400 \\ \text{Quantity of Milk in Container B} &= \frac{3}{5} \times 250 = 150 \\ \text{Quantity of Water in Container B} &= \frac{2}{5} \times 250 = 100 \\ \text{Quantity of Milk in Container C} &= \frac{8}{13} \times (400 + 250) = 400 \\ \text{ATQ,} \\ \frac{\frac{x}{x+3} \times 400 + 150}{\frac{x}{x+3}} &= \frac{250}{400} \\ \frac{x}{x+3} &= \frac{5}{8} \\ \text{So, } x &= 5 \end{aligned}$$

S177. Ans.(c)

Sol.

$$\begin{aligned} \text{Quantity of Milk in Container A} &= \frac{x}{x+3} \times 400 \\ \text{Quantity of Water in Container A} &= \frac{3}{x+3} \times 400 \\ \text{Quantity of Milk in Container B} &= \frac{3}{5} \times 250 = 150 \\ \text{Quantity of Water in Container B} &= \frac{2}{5} \times 250 = 100 \\ \text{Quantity of Milk in Container A} &= \frac{5}{8} \times 400 = 250 \text{ lit} \\ \text{Quantity of Milk in Container B} &= \frac{3}{5} \times 250 = 150 \text{ lit} \\ \text{Quantity of container A and B is mixed in another empty container D} \\ \text{Now, Quantity of milk in Container D} &= 60\% \text{ of } 250 + 60\% \text{ of } 150 = 240L \end{aligned}$$

S178. Ans.(d)

Sol.

$$\begin{aligned} \text{Let, the speed of stream be 'a' km/hr.} \\ \text{ATQ,} \\ \frac{x}{5-a} &= 4 \dots \text{(i)} \\ \frac{y}{5+a} &= 3 \dots \text{(ii)} \\ \frac{x+y}{5+a} &= 4 \dots \text{(iii)} \\ \text{Using (ii) and (iii),} \\ \frac{y}{x+y} &= \frac{3}{4} \\ \text{or, } \frac{x+y}{y} &= \frac{4}{3} \\ \frac{x}{y} + 1 &= \frac{4}{3} \\ \text{or, } \frac{x}{y} &= \frac{1}{3} \dots \text{(iv)} \\ \text{now, dividing (i) and (ii), and using (iv)} \\ \frac{x(5+a)}{(5-a)y} &= \frac{4}{3} \\ \frac{(5+a)}{3(5-a)} &= \frac{4}{3} \\ \text{or, } 5+a &= 20 - 4a \\ \text{or, } 5a &= 15 \\ \text{or, } a &= 3 \text{ km/hr} \end{aligned}$$

S179. Ans.(d)

Sol.

Let the length of train B be 100x meters.

So, length of train A = 125x meters

ATQ –

$$\frac{125x}{12} = 90 \times \frac{5}{18}$$

$$x = 2.4$$

So, length of train B = 240 meters

And, length of train A = 300 meters

Let speed of train B be 's' m/sec

$$\frac{240 + 300}{s - 25} = 36$$

$$\frac{540}{36} = s - 25$$

$$40 = s$$

$$\text{Required time} = \frac{240+400}{40}$$

$$= 16 \text{ seconds}$$

S180. Ans.(a)

Sol.

Let the radius of both Cone and Cylinder = r cm.

and, height of Cone = 2h,

Then height of Cylinder = h.

ATQ,

$$\pi r^2 h - \frac{1}{3} \pi r^2 \times 2h = 3234$$

$$\frac{1}{3} \pi r^2 h = 3234$$

$$\text{So, required result} = 3234 \times 3 = 9702 \text{ cm}^3.$$

S181. Ans.(e)

Sol.

Let price of each ticket of Flight in City Y be Rs. 5x.

So, price of each ticket of Flight in city X = $5x \times \frac{60}{100} = \text{Rs. } 3x$

ATQ,

$$3x \times 100 + 5x \times 40 = \frac{40}{100} \times 1000000$$

$$\Rightarrow 500x = 400000$$

$$\Rightarrow x = 800$$

$$\text{Required difference} = 3 \times 800 \times 100 - 5 \times 800 \times 40 = \text{Rs. } 80000$$

S182. Ans.(c)

Sol.

Let price of each ticket of train in city X be Rs. x.

So, price of each ticket of train in city Y = Rs. (x + 260)

ATQ,

$$x \times 250 + (x + 260) \times 200 = \frac{41.2}{100} \times 1000000$$

$$250x + 200x + 52000 = 412000$$

$$\Rightarrow 450x = 360000$$

$$\Rightarrow x = 800$$

Total revenue of city X from train tickets = $250 \times 800 = \text{Rs. } 2,00,000$

Total revenue of city Y from train tickets = $200 \times (800 + 260) = \text{Rs. } 2,12,000$

$$\text{Required\%} = \frac{212000 - 200000}{200000} \times 100 = 6\%$$

S183. Ans.(d)

Sol.

$$\text{Economy tickets of flight sold in city X \& city Y together} = 100 \times \frac{3}{4} + 40 \times \frac{5}{8} = 100$$

$$\text{Required difference} = \left(\frac{150 + 160}{2} \right) - \frac{100}{2} = 155 - 50 = 105$$

S184. Ans.(c)

Sol.

Let revenue of city X from bus tickets be Rs.300x.

So, revenue of city Y from bus tickets = $300x \times \frac{7}{3} = \text{Rs. } 700x$

ATQ,

$$300x + 700x = \frac{18.8}{100} \times 1000000$$

$$1000x = 188000$$

$$x = 188$$

$$\text{Price of per bus ticket in city X} = \frac{300 \times 188}{150} = \text{Rs. } 376$$

$$\text{Price of per bus ticket in city Y} = \frac{700 \times 188}{160} = \text{Rs. } 822.5$$

$$\text{Required difference} = 822.5 - 376 = \text{Rs. } 446.5$$

S185. Ans.(b)

Sol.

$$\text{Required ratio} = \frac{150 + 250}{160 + 40} = \frac{400}{200} = 2 : 1$$

S186. Ans.(b)

Sol.

Let per ticket price of flight in city X be Rs. 4x.

So, per ticket price of flight in city Y = $4x \times \frac{15}{4} = \text{Rs. } 15x$

ATQ,

$$4x \times 100 + 15x \times 40 = \frac{40}{100} \times 1000000$$

$$\Rightarrow 1000x = 400000$$

$$x = 400$$

For next year,

$$\text{Per ticket price of flight in city X} = 4 \times 400 \times \frac{140}{100} = \text{Rs. } 2240$$

$$\text{Per ticket price of flight in city Y} = 15 \times 400 \times \frac{50}{100} = \text{Rs. } 3000$$

$$\text{Required amount} = 2240 \times 100 + 3000 \times 40$$

$$= 224000 + 120000$$

$$= \text{Rs. } 344000$$

$$= \text{Rs. } 3.44 \text{ lacs}$$

S187. Ans.(d)

Sol. Let efficiency of each woman be 'W' and days required by 45 women to complete the work on time be D days.

ATQ

$$45W \times D = 30W \times (D + 8)$$

$$3D = 2D + 16$$

$$D = 16$$

Let required no. of days be T.

Now,

$$25W \times T = \frac{5}{8} \times 45W \times 16$$

$$T = 18 \text{ Days}$$

S188. Ans.(d)

Sol.

Profit of 20% on cost price,

$$\frac{20}{100} = \frac{\text{profit}}{\text{cost price}} = \frac{1}{5}$$

$$SP = 5 + 1 = 6$$

Profit of 20% on selling price,

$$\frac{20}{100} = \frac{\text{profit}}{\text{selling price}} = \frac{1}{5}$$

$$CP = SP - \text{profit} = 5 - 1 = 4$$

Given that, SP is same,

So the ratio of SP:CP= 6:5= 30:25

$$\Rightarrow \text{profit} = 5x \text{ (let)}$$

And the ratio of SP:CP=5:4= 30:24

$$\Rightarrow \text{profit} = 6x \text{ (let)}$$

Sum of profit = 5x+6x=220

$$11x=220$$

$$x=20$$

$$SP= 30x=30 \times 20= \text{Rs.}600$$

S189. Ans.(e)

Sol.

From I & II:

Let amount invested by Aman, Ayush and Asif be Rs.3x, Rs.6x and Rs.4x respectively.

Now, period of investment of Aman = $\frac{8}{4} \times 6$

= 12 months

And, period of investment of Asif = $\frac{8}{4} \times 3$

= 6 months

Now, profit sharing ratio of Aman, Ayush and Asif = (3x × 12): (6x × 8): (4x × 6)

= 3:4:2

Now, let profit share of Asif be Rs.a

So, profit share of Aman = Rs. (a + 1000)

And, profit share of Ayush = Rs. (a + 1000 + 1000)

ATQ,

$$\frac{a}{a+1000} = \frac{2}{3}$$

$$a = 2000$$

So, from both statements it is not possible to find the amount invested by Ayushi in the partnership.

Hence, statements (I) and (II) taken together are not sufficient to answer the question.

S190. Ans.(d)

Sol. From I:

Let efficiency of a man be m units/day and y children's are required to complete the work in 20 days.

ATQ,

$$(a + 3) \times m \times (a + 8) = (14 + a) \times m \times 50$$

$$a^2 + 11a + 24 = 700 + 50a$$

$$a^2 - 39a - 676 = 0$$

$$a = 52$$

Now,

$$55 \times m \times 60 = y \times .25m \times 20$$

$$y = 660$$

From II: Let efficiency of a women be w units/day and x days are required to complete the work by a man

$$1.6w \times 1 \times x = 1 \times w \times 240$$

$$x = 150$$

Now

$$0.25m \times 20 \times y = 1 \times m \times 150$$

$$y = 30 \text{ days}$$

So, either statement (I) or statement (II) by itself is sufficient to answer the question.

S191. Ans(c)

Sol.

$$I. 6x^2 + 9x + 10x + 15 = 0$$

$$(2x + 3) (3x + 5) = 0$$

$$x = -\frac{3}{2}, -\frac{5}{3}$$

$$II. 15y^2 - 35y + 3y - 7 = 0$$

$$(3y - 7) (5y + 1) = 0$$

$$y = \frac{7}{3}, -\frac{1}{5}$$

so, $x < y$

S192. Ans.(c)

Sol.

$$17x + 15y = 125 \dots(i)$$

$$19x + 5y = 15 \dots(ii)$$

Multiplying (ii) by 3 & subtracting (i) from (ii) & solving

$$x = -2$$

$$y = \frac{53}{5}$$

∴ $x < y$

S193. Ans(e)

Sol.

$$I. 14x^2 - 17x - 6 = 0$$

$$(2x - 3) (7x + 2) = 0$$

$$x = \frac{3}{2}, -\frac{2}{7}$$

$$II. 14y^2 - 45y + 36 = 0$$

$$(7y - 12) (2y - 3) = 0$$

$$y = \frac{12}{7}, \frac{3}{2}$$

So, $x \leq y$

S194. Ans(c)

Sol.

$$I. 24x^2 - 12x - 4x + 2 = 0$$

$$(12x - 2) (2x - 1) = 0$$

$$x = \frac{1}{6}, \frac{1}{2}$$

$$II. 6y^2 - 21y - 4y + 14 = 0$$

$$(3y - 2) (2y - 7) = 0$$

$$y = \frac{7}{2}, \frac{2}{3}$$

so, $x < y$

S195. Ans.(e)

Sol.

Let amount invested in one scheme be Rs. x
So, amount invested in another scheme = Rs. (10000 - x)

ATQ,
$$\frac{x \times R \times 2}{100} - \frac{(10000 - x) \times R \times 2}{100} = 480 \quad \dots (i)$$

And
$$\frac{\frac{x \times R \times 2}{100}}{\frac{(10000 - x) \times R \times 2}{100}} = \frac{3}{2}$$

$$\Rightarrow \frac{x}{(10000 - x)} = \frac{3}{2}$$

$\Rightarrow x = \text{Rs. } 6000$

Put value of x in (i)

$$\frac{6000 \times R \times 2}{100} - \frac{(10000 - 6000) \times R \times 2}{100} = 480$$

 $R = 12\%$

S196. Ans.(d)

Sol.

Let length of train -C be 'x meters'
So, length of train - A = (x + 60) meters

And, length of train - D
$$= \frac{x+x+60}{2}$$

 $= (x + 30) \text{ meters}$

Now, length of train - B = $\left[(x + 30) \times \frac{4}{3} \right]$ meters

Let speed of train - D be '5y km/hr.'

$$= 5y \times \frac{120}{100}$$

So, speed of train - C
 $= 6y \text{ km/hr.}$

$$= 6y \times \frac{5}{4}$$

Now, speed of train - A
 $= 7.5y \text{ km/hr.}$

And, speed of train - B = 7.5y + 5y
 $= 12.5y \text{ km/hr.}$

ATQ,
$$\frac{x}{6y \times \frac{5}{18}} = 6$$

 $\Rightarrow x = 10y \quad \dots (i)$

And,
$$\frac{x+240}{6y \times \frac{5}{18}} = 18$$

 $\Rightarrow x + 240 = 30y \quad \dots (ii)$

Put value of (i) in (ii):

$10y + 240 = 30y$
 $\Rightarrow y = 12 \text{ and } x = 120$

Trains	Length (meters)	Speed (km/hr.)
A	180	90
B	200	150
C	120	72
D	150	60

Required time = $\frac{150}{(60+12) \times \frac{5}{18}}$
 $= \frac{150}{20}$
 $= 7.5 \text{ seconds}$

S197. Ans.(a)

Sol.

Let length of train -C be 'x meters'
So, length of train - A = (x + 60) meters

$$= \frac{x+x+60}{2}$$

And, length of train - D
 $= (x + 30) \text{ meters}$

Now, length of train - B = $\left[(x + 30) \times \frac{4}{3} \right]$ meters

Let speed of train - D be '5y km/hr.'

$$= 5y \times \frac{120}{100}$$

So, speed of train - C
 $= 6y \text{ km/hr.}$

$$= 6y \times \frac{5}{4}$$

Now, speed of train - A
 $= 7.5y \text{ km/hr.}$

And, speed of train - B = 7.5y + 5y
 $= 12.5y \text{ km/hr.}$

ATQ,
$$\frac{x}{6y \times \frac{5}{18}} = 6$$

 $\Rightarrow x = 10y \quad \dots (i)$

And,
$$\frac{x+240}{6y \times \frac{5}{18}} = 18$$

 $\Rightarrow x + 240 = 30y \quad \dots (ii)$

Put value of (i) in (ii):

$10y + 240 = 30y$
 $\Rightarrow y = 12 \text{ and } x = 120$

Trains	Length (meters)	Speed (km/hr.)
A	180	90
B	200	150
C	120	72
D	150	60

Required time = $\frac{180+120}{(90+72) \times \frac{5}{18}}$
 $= \frac{300}{45}$
 $= 6 \frac{2}{3} \text{ seconds}$

S198. Ans.(d)

Sol.

Let length of train -C be 'x meters'
So, length of train - A = (x + 60) meters

$$= \frac{x+x+60}{2}$$

And, length of train - D
 $= (x + 30) \text{ meters}$

Now, length of train - B = $\left[(x + 30) \times \frac{4}{3} \right]$ meters

Let speed of train - D be '5y km/hr.'

$$= 5y \times \frac{120}{100}$$

So, speed of train - C
 $= 6y \text{ km/hr.}$

$$= 6y \times \frac{5}{4}$$

Now, speed of train - A
 $= 7.5y \text{ km/hr.}$

And, speed of train - B = 7.5y + 5y
 $= 12.5y \text{ km/hr.}$

ATQ,
 $\frac{x}{6y \times \frac{5}{18}} = 6$
 $\Rightarrow x = 10y$ - (i)
 And, $\frac{x+240}{6y \times \frac{5}{18}} = 18$
 $\Rightarrow x + 240 = 30y$ - (ii)
 Put value of (i) in (ii):
 $10y + 240 = 30y$
 $\Rightarrow y = 12$ and $x = 120$

Trains	Length (meters)	Speed (km/hr.)
A	180	90
B	200	150
C	120	72
D	150	60

Let distance between city - X and city - Y be 'd km'.
 Now, distance covered by train - D in 5 hours = $5 \times 60 = 300$ km

ATQ,
 $\frac{d-300}{(60+150)} = 3$
 $d - 300 = 630$
 $d = 930$ km

S199. Ans.(b)

Sol.

Let length of train - C be 'x meters'
 So, length of train - A = $(x + 60)$ meters
 $= \frac{x+x+60}{2}$
 And, length of train - D
 = $(x + 30)$ meters

Now, length of train - B = $\left[(x + 30) \times \frac{4}{3} \right]$ meters

Let speed of train - D be '5y km/hr.'

So, speed of train - C
 = $5y \times \frac{120}{100}$
 = $6y$ km/hr.

Now, speed of train - A
 = $6y \times \frac{5}{4}$
 = $7.5y$ km/hr.
 And, speed of train - B = $7.5y + 5y$
 = $12.5y$ km/hr.

ATQ,
 $\frac{x}{6y \times \frac{5}{18}} = 6$
 $\Rightarrow x = 10y$ - (i)
 And, $\frac{x+240}{6y \times \frac{5}{18}} = 18$
 $\Rightarrow x + 240 = 30y$ - (ii)
 Put value of (i) in (ii):
 $10y + 240 = 30y$
 $\Rightarrow y = 12$ and $x = 120$

Trains	Length (meters)	Speed (km/hr.)
A	180	90
B	200	150
C	120	72
D	150	60

Length of train - E = $\left(\frac{180+200}{2} \right) + 60$
 = 250 m
 Speed of train - E = $\frac{140}{100} \times 60$
 = 84 km/hr.
 Required time = $\frac{250+100}{84 \times \frac{5}{18}}$
 = $\frac{350 \times 3}{70}$
 = 15 seconds

S200. Ans.(c)

Sol.

Let length of train - C be 'x meters'
 So, length of train - A = $(x + 60)$ meters
 $= \frac{x+x+60}{2}$
 And, length of train - D
 = $(x + 30)$ meters

Now, length of train - B = $\left[(x + 30) \times \frac{4}{3} \right]$ meters

Let speed of train - D be '5y km/hr.'

So, speed of train - C
 = $5y \times \frac{120}{100}$
 = $6y$ km/hr.

Now, speed of train - A
 = $6y \times \frac{5}{4}$
 = $7.5y$ km/hr.

And, speed of train - B = $7.5y + 5y$
 = $12.5y$ km/hr.

ATQ,
 $\frac{x}{6y \times \frac{5}{18}} = 6$
 $\Rightarrow x = 10y$ - (i)
 And, $\frac{x+240}{6y \times \frac{5}{18}} = 18$
 $\Rightarrow x + 240 = 30y$ - (ii)

Put value of (i) in (ii):
 $10y + 240 = 30y$
 $\Rightarrow y = 12$ and $x = 120$

Trains	Length (meters)	Speed (km/hr.)
A	180	90
B	200	150
C	120	72
D	150	60

New length of train - B = $200 + (180-20)$
 = 360 m

New speed of train - B = $\frac{80}{100} \times 150$
 = 120 km/hr.

Req. time = $\frac{360+150}{(60+120) \times \frac{5}{18}} = \frac{510}{50} = 10.2$ sec