Directions (1-5): In the following questions, a grammatically correct and meaningful sentence is given which is divided into four parts, (A),(B),(C) and (D). You have to arrange the four parts to make a contextually and grammatically meaningful sentence (the meaning can be different from the one given in the question). If no such rearrangement is possible mark (E) as your answer i.e. 'No rearrangement is possible'.

Q1. local issues such as (A)/ he barely touched upon (B)/ ownership rights for residents (C)/ of illegal colonies or quality of potable water (D)
(a) ACBD
(b) CADB
(c) DABC
(d) BACD
(e) No rearrangement is possible

Q2. of working Indians is self-employed (A)/ better understood if we recognise (B)/ the scale of the problem is (C)/ that by far the largest number (D)
(a) BCDA
(b) CBDA
(c) ACBD
(d) DCAB
(e) No rearrangement is possible

Q3. cannot flourish on its own (A)/ business is important, it needs (B)/ having said the ease of doing (C)/ to be emphasised that a business (D)
(a) DACB
(b) ABDC
(c) CBDA
(d) BCDA
(e) No rearrangement is possible

Q4. she is aware that her workers (A)/ will buy at least some of the gloves to be (B)/ produced but that this is unlikely to turn a profit sufficient (C)/ to cover the initial costs to set it up (D)
(a) DABC
(b) BDCA
(c) CDAB
(d) ABCD
(e) No rearrangement is possible

Q5. aggregate demand slowdown is indicated (A)/ by the fact that aggregate (B)/ investment, as a share of GDP, peaked in 2011(C)/ that the Indian economy is facing an (D)
(a) ADCB
(b) BACD
(c) CDBA
(d) DABC
(e) No rearrangement is possible

Directions (6-10): Rearrange the following sentences in the proper sequence to form a meaningful paragraph and then answer the questions given below.
(A) **We are witnessing unprecedented public protests in India.**
(B) These restrictions show not the propensity of people to riot but rather the incapacity of the government to discuss, deliberate or listen.
(C) For this, the right to freedom of expression, association and peaceful assembly are necessary.
(D) Thousands continue to assemble on the streets to demand that the government rethink the CAA and NRC.
(E) Any arbitrary restraint on the exercise of such rights shows the inability of the government to tolerate dissent.
(F) An innocent student of the Constitution may examine it and find that the word 'protest' is missing.
(G) Such public protests are the hallmark of a free, democratic society, whose logic demands that the voice of the people be heard by those in power.

Q6. If, (A) "*We are witnessing unprecedented public protests in India*" is the first sentence after rearrangement of the given statements, which of the following will not form a coherent part of the rearranged statement?
(a) B
(b) D
(c) A
(d) F
(e) C

Q7. If, (A) "*We are witnessing unprecedented public protests in India*" is the first sentence after rearrangement of the given statements, which of the following will be the LAST statement?
(a) D
(b) G
(c) F
(d) B
(e) C

Q8. If, (A) "*We are witnessing unprecedented public protests in India*" is the first sentence after rearrangement of the given statements, which of the following will be the correct pair of statements which appear is similar order after rearrangement as given in the option?
(a) A-E
(b) B-D
(c) F-C
(d) G-C
(e) B-E

Q9. If, (A) "*We are witnessing unprecedented public protests in India*" is the first sentence after rearrangement of the given statements, which of the following will be the correct sequence of the given statements?
(a) ACDGEF
(b) ABCDGE
(c) ADGCEB
(d) AFCDBE
(e) ABCDGE

Q10. If, (A) "*We are witnessing unprecedented public protests in India*" is the first sentence after rearrangement of the given statements, which of the following will be the FOURTH statement?
(a) C
(b) F
(c) G
(d) B
(e) E

Directions (11-16): **Read the following passage and answer the questions as directed. There are some blanks given in the passage based on which some questions are framed, and some words are highlighted as well to help you answer some of the questions.**
If the evidence is clear and present, then not acting on it would be a chilling demonstration of inability and inefficiency, and the lack of will to bring about change. There should be no doubt that educating a woman serves a larger ameliorative purpose. The recently released Health Ministry survey that showed a direct _____**(A)**_____ between the nutritional status of children and their mothers' education is a further stroke for the case of women's education. The Comprehensive National Nutrition Survey, which studied 1.2 lakh children between

2016-18, measured diet diversity, meal frequency and minimum acceptable diet as the three core indicators of nutritional deficiency among infants and young children. It demonstrated that with _____**(B)**_____, her children received better diets. On two counts, meal diversity and minimum acceptable diet, and in terms of bolstering food with micro nutrients, the children of mothers with better education did well. The data is revelatory: Only 11.4% of children of mothers with no schooling received adequately diverse meals, while 31.8% whose mothers finished Class XII received diverse meals. While 9.6% of children whose mothers had finished schooling got minimum ____**(C)**____ diets, only 3.9% of children whose mothers had zero schooling got such a diet.
Development economists have long studied the role that education of girls plays in enabling them to emerge as agents of change. **(D)** Empirical work in recent years, Nobel (1) **laureate** Amartya Sen reasons, has clearly shown how the (2) **participation** aspect and regard for women's well being is (3) **strongly** influenced by women's literacy and educated (4) **relative** in decisions within and outside the family. (**E**) *In the late 1990s, Tamil Nadu along with the Danish International Development Agency, launched a mass rural literacy project in Dharmapuri, than considered backward, riding largely on local leaders, most of them women.* Evaluation showed overall salubrious effects on the community within a short while. Implemented largely through the employ of the local arts, one measure of success, as recorded then, was an increased outpatient attendance in primary health centres. *There is a body of compelling evidence for the government to focus on improving female literacy.* **(F)** *States such as Kerala with a high literacy rate (male and female) also sit at the top of the table on development indicators.* As former American First Lady Michelle Obama said, "Because we know that when girls are educated, their countries become stronger and more prosperous." No other task can assume greater urgency for a nation striving to improve its performance on all fronts.

Q11. Which of the following words should fill the blank given in **(A)** to make it contextually correct and meaningful?
(a) impression
(b) correlation
(c) persuasion
(d) navigation
(e) none of these

Q12. Which of the following phrases should fill the blank **(B)** to make it contextually and grammatically meaningful and correct respectively?
(a) education directly teaches health knowledge
(b) causal mechanisms are poorly understood
(c) positively correlated with child health
(d) higher levels of schooling for a mother
(e) none of these

Q13. Which of the following word given in the options should come at the place marked as **(C)** in the above passage to make it grammatically correct and meaningful? Also, the word should fill in the two sentences given below to make them contextually correct and meaningful.
(I) Trans Pennine Express has admitted further disruption to rail services is not _____.
(II) Our society teaches us to live a life that is _____ to others.
(a) crucial
(b) receptive
(c) acceptable
(d) numeracy
(e) none of these

Q14. The sentence given in **(D)** has four words given in bold. Amongst the given bold words, which of the followings must replace each other to make the sentence contextually correct and meaningful?
(a) 1-2
(b) 2-4
(c) 1-3
(d) 2-3
(e) 3-4

Q15. In the passage given, a sentence **(E)** is given in Italics. There may or may not be an ___*error*___ in one part of the sentence. Choose the part which has an error in it as your answer.
(a) In the late 1990s, Tamil Nadu along with the Danish
(b) International Development Agency, launched a mass
(c) rural literacy project in Dharmapuri, than considered backward,
(d) riding largely on local leaders, most of them women.
(e) NO ERROR

Q16. Two sentences are given in italics on both sides of **(F).** Which of the following statements can come in between the two sentences in place of **(F)** and maintain the continuity of the paragraph?
(a) From raising a family to building a career, you may not have much free time available to yourself.
(b) You're working towards a goal that can positively impact your family's livelihood.
(c) In Census 2011, the female literacy rate was 65.46%, much lower than for males, at 82.14%.
(d) Mothers, like all parents, want a positive future for their families.
(e) None of these

Directions (17-22): Two columns are given in each question and each column has three parts of a sentence. Choose the most suitable pair, which makes a grammatically correct and contextually coherent statement

Q17. COLUMN I
(A) A slowing of aggregate demand growth
(B) Right now the government needs to be
(C) Anecdotal evidence that luxury cars

COLUMN II
(D) India having nursed a high-interest rate regime
(E) can take more than one form
(F) pro-active rather than adopt a hands-off approach
(a) A-E & B-D
(b) A-E & B-F
(c) C-F & A-D
(d) B-E & C-D
(e) None of these

Q18. COLUMN I
(A) India's dairy sector provides livelihood to about
(B) India's average bound tariff for dairy products is
(C) Due to Operation Flood after the 1960s
COLUMN II
(D) about 63.8% while its average applied tariff is 34.8%.
(E) export milk in any significant quantity
(F) have had a deep interest in the RCEP agreement
(a) A-D
(b) C-F
(c) B-D
(d) B-E
(e) None of these

Q19. COLUMN I
(A) The French milk firm Lactalis entered India in
(B) It would have then been far more
(C) The Swiss firm Nestlé was the largest
COLUMN II
(D) Indian dairy farmer would fall to ₹19 per L
(E) farmers would have fallen sharply
(F) private purchaser of milk in India in 2019
(a) C-F
(b) B-E
(c) A-F & B-D
(d) A-E, C-F & B-D
(e) C-F & B-D

Q20. COLUMN I
(A) The tussle spread over five days is
(B) Batsmen have to cope with fast
(C) There is universal outrage about the
COLUMN II
(D) communication blockade in the Kashmir Valley
(E) before a combustion on the concluding day
(F) progressed over the last decade
(a) C-D
(b) A-E
(c) B-E
(d) C-F
(e) None of these

Q21. COLUMN I
(A) In a bid to bolster cricket's original form, ICC is
(B) Brevity and quicksilver processes constitute a
(C) Since those days of the slow life, cricket evolved
COLUMN II
(D) mulling over four-day Tests from 2023
(E) raging trend be it Twitter or two-minute noodles
(F) it is a move that will destroy the sanctity of Tests
(a) B-F & C-D
(b) C-E & A-F
(c) B-E & A-D
(d) C-E & B-F
(e) None of these

Q22. COLUMN I
(A) Seven of the top eight companies by
(B) All credible efforts to escape
(C) Appropriate data policies must ensure
COLUMN II
(D) available to Indian digital businesses
(E) dominated by industrial and oil giants
(F) for important public interest purposes
(a) A-E & B-D
(b) A-E & B-F
(c) C-F & A-D
(d) B-E & C-D
(e) None of these

Directions (23-27): **A word has been given in each question and has been used in the sentences given below. Identify the statements where the word has been used in a contextually and grammatically correct manner.**

Q23. EXAGGERATE
(i) The statement was an **exaggerates** of course, but Mama never admitted to anything less than perfection.
(ii) The book **exaggerates** the difficulties he faced in starting his career.
(iii) Sal estimates over 60 people were there but I think that's a slight **exaggeration**.
(a) only (i)
(b) only (ii)
(c) both (ii) & (iii)
(d) both (i) & (iii)
(e) none of these

Q24. UNANIMOUSLY
(i) It would be no **unanimously** to say that, in the history of Bulgarian sport, weightlifting has been the country's strength.
(ii) It is not an **unanimously** to say the platypus is Australia's most curious creature.
(iii) It is no **unanimously** to say that everything went like a well-oiled machine.
(a) both (ii) & (iii)
(b) both (i) & (iii)
(c) both (i) & (ii)
(d) only (iii)
(e) none of these

Q25. ANTICIPATE
(i) I had **anticipated** that the Liberal Party would win the election.
(ii) No clause in the agreement established a mechanism to **anticipate** or respond to market failures.
(iii) This information allowed our soldiers to prepare mentally and **anticipate** the actions they would be required to take.
(a) both (i) & (ii)
(b) both (ii) & (iii)
(c) only (iii)
(d) only (ii)
(e) all are correct

Q26. DISCARD
(i) Hilda Lawrence once remarked that the things people **discard** tell more about them than the things they keep.
(ii) Around 250 million automobile tires are **discarded** in the United States each year.
(iii) The crowd was growing restless in **discarded** of the band coming on stage.
(a) only (ii)
(b) both (i) & (ii)
(c) both (ii) & (iii)
(d) all (i), (ii), (iii)
(e) none of these

Q27. CUMBERSOME
(i) Stacy was the first to point out how **cumbersome** all that money was to carry.
(ii) He noticed that the leeboards were **cumbersome**, noisy and they tended to pick up debris.
(iii) The imperial system is **cumbersome**, difficult and the only thing in its favour is that we know it.
(a) only (ii)
(b) only (i)
(c) both (ii) & (iii)
(d) all (i), (ii), (iii)
(e) None of these

Directions (28-30): In each of the questions below, there is a word given in bold which is followed by five options. In each of the options, a pair of words is given which is either the pair of synonyms or antonyms or synonym & antonym of the word given in bold. Choose that pair as your answer.

Q28. Adept
(a) replete: manageable
(b) incompetent: ignorant
(c) astonishing: convenient
(d) deliberate: gradual
(e) none of these

Q29. Dismantle
(a) relinquish: construct
(b) accomplish: enact
(c) actualize: assign
(d) destroy: disassemble
(e) none of these

Q30. Dormant
(a) dependent, susceptible
(b) stereotypical, archetypal
(c) active, resting
(d) covert, stealthy
(e) none of these

Q31. 16 children can complete a task in 12 days working 4 hours a day. Find in what time 10 women will complete the same task with 60% more efficiency than that of a child working 6 hours a day?
(a) 9 days
(b) 6 days
(c) 12 days
(d) 8 days
(e) 10 days

Q32. When an article is sold at certain profit and certain loss, then ratio of profit to loss is 3: 4 and ratio of respective selling price is 5: 4. Find loss percentage?
(a) 17.5%
(b) $13\frac{1}{3}\%$
(c) 12%
(d) 10%
(e) 12.5%

Q33. What is the probability of getting a sum equal to prime number when two dices are rolled together?
(a) 7/18
(b) 5/12
(c) 1/6
(d) 7/12
(e) 1/3

Q34. A and B invested Rs. 12000 and Rs. 15000 for 9 and 8 months respectively, also 20% of total profit is given to A as salary and remaining is distributed in ratio of their profit share. If profit share of B is Rs. 4000, then find the total profit?
(a) Rs. 10000
(b) Rs. 9000
(c) Rs. 11400
(d) Rs. 9500
(e) Rs. 13300

Q35. A cycle is 480 meter behind running man and can cross it in 16 sec, but when distance is reduced by 15% and speed of man is increased by 150% then it takes 25.5 sec to cross it, Find speed of man?
(a) 36 km/hr
(b) 35 km/hr
(c) 33.6 km/hr
(d) 32.6 km/hr
(e) 32.2 km/hr

Directions (36-40): Find the wrong number in the following number series?

Q36. 64, 34, 36, 56, 114 , 287,   860
(a) 114
(b) 860
(c) 64
(d) 36
(e) 56

Q37. 512, 580, 524, 572, 536, 560,   548
(a) 524
(b) 512
(c) 572
(d) 580
(e) 548

Q38. 7200, 1200, 240, 60, 20, 15,   10
(a) 15
(b) 10
(c) 1200
(d) 60
(e) 20

Q39. 8, 8, 10, 16, 28, 48,   80
(a) 10
(b) 16
(c) 80
(d) 48
(e) 28

Q40. 2, 3, 6, 22, 89, 446, 2677
(a) 2677
(b) 446
(c) 89
(d) 6
(e) 3

Directions (41-45): Read the given information carefully and answer the following questions.

In a family there are four members (i.e. A, B, C & D). Ratio of income of A, C & D is 4 : 3 : 6 and income of B is equal to average of the income of A & D. Expenditure of A and B is same whereas the expenditure of C & D is same. Saving of D is equal to income of A. Saving of A is Rs. 3000 more than the saving of C. Saving & expenditure of B is same.

Q41. Find the average of saving of B, C & D?
(a) Rs. 12000
(b) Rs. 15000
(c) Rs. 18000
(d) Rs. 9000
(e) Rs. 20000

Q42. Saving of A is what percent of the expenditure of C?
(a) 75%
(b) 67½%
(c) 87.5 %
(d) 80%
(e) 90%

Q43. Find difference between total income of A & D together and total income of B & C together?
(a) Rs. 10000
(b) Rs. 15000
(c) Rs. 9000
(d) Rs. 18000
(e) Rs. 12000

Q44. 45% & 40% of the total expenditure of A & B respectively are on clothes then find the total expenditure on clothes by these two?
(a) Rs. 12550
(b) Rs. 12250
(c) Rs. 12750
(d) Rs. 13250
(e) Rs. 13750

Q45. Total savings of B & D together is what percent more than the income of A?
(a) 60%
(b) 57.5%
(c) 62.5%
(d) 67.5%
(e) 75%

Directions (46-50): In each of the following questions, two equations (I) and (II) are given you have to solve both the equations and give answer.

Q46.
I. $4x^2 - 12x + 5 = 0$
II. $4y^2 + 8y - 5 = 0$
(a) If x > y
(b) If x ≥ y
(c) If x < y
(d) If x ≤ y
(e) If x = y or no relation can be established between x and y.

Q47.
I. $x^2 - 11x + 28 = 0$
II. $y^2 - 15y + 56 = 0$
(a) If x > y
(b) If x ≥ y
(c) If x < y
(d) If x ≤ y
(e) If x = y or no relation can be established between x and y.

Q48.
I. $3x^2 - 7x + 2 = 0$
II. $4y^2 - y = 0$
(a) If x > y
(b) If x ≥ y
(c) If x < y
(d) If x ≤ y
(e) If x = y or no relation can be established between x and y.

Q49.
I. $10x^2 + 11x + 3 = 0$
II. $5y^2 + 9y + 4 = 0$
(a) If x > y
(b) If x ≥ y
(c) If x < y
(d) If x ≤ y
(e) If x = y or no relation can be established between x and y.

Q50.
I. $x + 10 = \sqrt[8]{3375}$
II. $y - 1 = \sqrt{81} - 4$
(a) If x > y
(b) If x ≥ y
(c) If x < y
(d) If x ≤ y
(e) If x = y or no relation can be established between x and y.

Q51. Present age of Deepa is 50% more than that of Shiva and age of Deepa 5 years ago was 50% of the age of Shiva 10 years hence. Find sum of their age 5 years later?
(a) 30 years
(b) 25 years
(c) 45 years
(d) 35 years
(e) 20 years

Q52. Arun has two types of rice i.e. 15 kg of basmati rice and 24 kg of regular rice. He sold 1 kg mixture of these rice at 40% above the cost price of 1 kg of regular rice and earned no profit and no loss. Find the ratio of cost price of 1 kg of basmati to that of regular rice?
(a) 48: 25
(b) 2: 1
(c) 51: 25
(d) 7: 3
(e) 5: 2

Q53. Perimeter of a rectangle is 216 cm and its breadth is equal to the side of square whose area is 2025 cm². Find the area of the circle whose diameter is equal to the length of the rectangle?
(a) 982.25π cm²
(b) 989.75π cm²
(c) 992.25π cm²
(d) 988.75π cm²
(e) 996.25π cm²

Q54. The interest earned by Veer at SI is 24% of the sum invested. If he had invested for 4 years more, then interest received is 150% more than that of earlier. What is the rate of interest?
(a) 9%
(b) 7.5%
(c) 8%
(d) 10%
(e) 12.5%

Q55. Vinay distributes 40% of his salary between his two friends A and B in the respective ratio of 3:5 and 60% of remaining to his wife. If difference between amount received by B and Vinay's wife is Rs 5280, then find the salary of Vinay?
(a) Rs. 50000
(b) Rs. 48000
(c) Rs. 44000
(d) Rs. 52000
(e) Rs. 40000

Directions (56-60): Read the given information carefully and answer the following questions.
The following bar graph shows total votes polled (in '00) and percentage of votes polled to A in five different sectors of Noida (There are only two candidates i.e. A & B in the election).
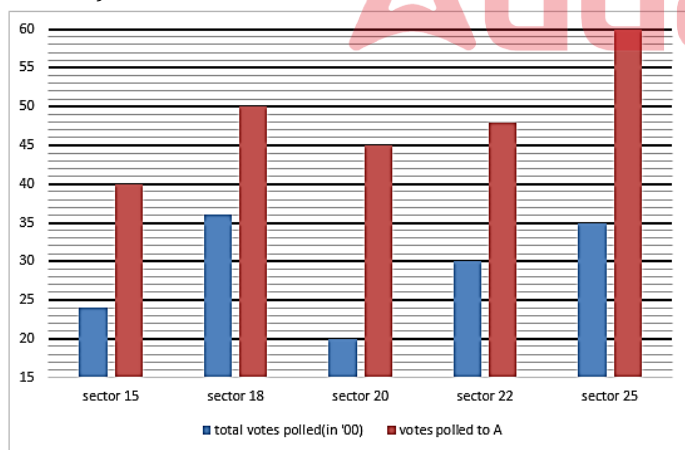
Q56. Find the average of votes polled in sector 15, sector 18 and sector 22?
(a) 2700
(b) 3000
(c) 2800
(d) 3200
(e) 3100

Q57. Find the total number of votes polled to B in sector 20 and sector 25 together?
(a) 2600
(b) 2800
(c) 2700
(d) 2400
(e) 2500

Q58. Find the difference between total votes polled to A and that polled to B in sector 18, sector 20 & sector 25 together?
(a) 500
(b) 400
(c) 600
(d) 300
(e) 200

Q59. Find the average of votes polled to A in all these five sectors?
(a) 1380
(b) 1420
(c) 1440
(d) 1480
(e) 1470

Q60. If 20% & 30% of the registered voters did not cast their vote in sector 18 and sector 25 respectively, then find the total number of registered voters in these two sectors together?
(a) 8500
(b) 9500
(c) 9000
(d) 8000
(e) 10000

Directions (61-65): What approximate value should come in place of question mark (?) in the following questions?

Q61.
$39.99\% \ of \ 285.01 + 60.01\% \ of \ 174.99 = ? \times 72.99$
(a) 4
(b) 5
(c) 6
(d) 3
(e) 2

Q62. $379.01 - 19.98\% of \ 769.9 = (? + 6.01)^2$
(a) 12
(b) 10
(c) 8
(d) 7
(e) 9

Q63. $(223.04 + 226.979) \div 8.97 = ? \times 10.010$
(a) 2
(b) 5
(c) 8
(d) 10
(e) 12

Q64. $\sqrt{1443} - \sqrt{840} = \sqrt{?} - \sqrt{323}$
(a) 729
(b) 841
(c) 900
(d) 784
(e) 676

Q65. $9.9 \times 99.9 \times 999.99 = 9999.99 \times ?$
(a) None of these
(b) 10000
(c) 1000
(d) 10
(e) 100

Directions (66-70): Study the following information carefully and answer the questions given below:

Eight persons were born in four different months i.e. March, April, May and September and on two different dates i.e. 2nd and 9th of the same year.
Less than three persons were born after R. Only two persons were born between R and P. Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. S was born before U and after P. T was born on an odd numbered date. V was born on 9th of April.

Q66. Who was born on 2nd of September?
(a) R
(b) P
(c) S
(d) Q
(e) None of these

Q67. How many persons were born between P and Q?
(a) One
(b) Two
(c) None
(d) Three
(e) Four

Q68. Number of persons born before Q is the same as number of persons born after_____?
(a) R
(b) P
(c) S
(d) U
(e) V

Q69. Which of the following statement is true regarding W?
(a) W was born before R
(b) W was born after U
(c) W was born on 2nd of May
(d) W and R were born in same month
(e) Only one person was born after W

Q70. Which of the following pair of persons were born in May?
(a) S,W
(b) Q,T
(c) S,U
(d) S,R
(e) None of these

Directions (71-75): Following questions are based on the five words given below, Study the following numbers and answer the following question:
FACE   TIRE   MOCK   SITE   PAIN

Q71. If the vowel in each of the given words is changed to its next letter and each consonant is changed to its previous letter according to the English alphabetical series, then in how many words there are repeated letters?
(a) One
(b) Two
(c) Three
(d) Four
(e) Five

Q72. How many letter are there between the second letter of the second word from left and second letter of the third word from right end?
(a) None
(b) Two
(c) Four
(d) Five
(e) Six

Q73. If the words are arranged according to the English dictionary from left to right then which of the following is second from the right end?
(a) FACE
(b) TIRE
(c) MOCK
(d) SITE
(e) PAIN

Q74. If all the letters in the words are arranged according to the English alphabetical series then how many words starts with a vowel?
(a) One
(b) Two
(c) Three
(d) Five
(e) Four

Q75. If the first letter is interchanged with the third letter within the word then how many meaningful words are formed?
(a) None
(b) One
(c) Two
(d) Three
(e) More than three

Directions (76-78): Study the following information carefully and answer the questions given below.

D is 5m to the west of E. F is 2m to the west of C. B is 4m to the south of C. A is 5m to the west of B. E is 4m to the south of A.

Q76. What is the shortest distance between point E and point B?
(a) √41m
(b) √43m
(c) 5m
(d) 4√3m
(e) None of these

Q77. What is the direction of point C with respect to point D ?
(a) North
(b) North east
(c) West
(d) South
(e) South east

Q78. What is the total distance between the point E and Point F?
(a) 11m
(b) 14m
(c) 15m
(d) 12m
(e) 16m

Directions (79-83): Study the following information carefully and answer the questions given below.

Certain number of persons sits on a linear row and all of them faces north direction. Q sits second to the right of P. Two persons sit between Q and N. N and S are immediate neighbours of each other. T sits immediate right of S. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other.

Q79. Who among the following person sits second to the left of T?
(a) N
(b) S
(c) P
(d) Q
(e) None of these

Q80. How many persons sit between Q and T?
(a) More than three
(b) Two
(c) None
(d) Three
(e) One

Q81. If S and N interchange their position then who sits immediate right of N?
(a) O
(b) Q
(c) T
(d) P
(e) None of these

Q82. How many persons sit in a row if P sits at one of the extreme end of row?
(a) Nine
(b) Ten
(c) Twelve
(d) Eleven
(e) Thirteen

Q83. Which of the following statement is true regarding Q?
(a) Q sits at the end of the row
(b) Q sits third to the left of N
(c) Two persons sit between Q and S.
(d) Q sits second to the left of P.
(e) None of them are true.

Directions (84-86): Study the following information carefully and answer the questions given below:

There are eight members in a family of three generations. G is the father-in-law of C. C is the mother of F. F and D are siblings. D is the only nephew of E. E is unmarried. B is the only son of A. E is not the sibling of C. A is the grandmother of F.

Q84. How is E related to F?
(a) Paternal uncle
(b) Maternal uncle
(c) Paternal aunt
(d) Maternal Aunt
(e) None of these

Q85. How many male members are there in the family?
(a) Three
(b) Four
(c) Five
(d) Six
(e) Two

Q86. If E is married to J, then how is G related to J?
(a) Father
(b) Father-in-law
(c) Brother
(d) Son-in-law
(e) None of these

Directions (87-91): Study the following information carefully and answer the questions given below.

In a certain code language:
"were you hardly matter" is coded as " re ou hy mr"
"matter what hardly will" is coded as "mr lw hy wa"
"will you matter that" is coded as "ps lw mr ou"
"were you that not" is coded as "th re ou ps"

Q87. What is the code of the word "you"?
(a) ps
(b) mr
(c) ou
(d) hy
(e) None of these

Q88. Which of the following word is coded as "re th"?
(a) were not
(b) not that
(c) hardly not
(d) matter you
(e) were will

Q89. What is the code of "What hardly matter"?
(a) re ps th
(b) wa mr re
(c) wa hy mr
(d) hy wa ps
(e) None of these

Q90. Which of the following word is coded as "th ou hy"?
(a) matter what will
(b) not you that
(c) hardly you were
(d) not you hardly
(e) None of these

Q91. What is the code of "What will that"?
(a) ps lw hy
(b) wa lw ps
(c) mr hy ps
(d) ps th ou
(e) None of these

Directions (92-96): Study the following information carefully and answer the questions given below.

P, Q, R, S, T, U, V and W sits around a circular table some of them faces towards the centre of the circle and some of them faces outside the center of the table but not necessarily in the same order.
R sits second to the right of P. One person sits between R and W. W and P faces each other. V who faces outside the center is immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction.

Q92. Who among the following person sits second to the right of V?
(a) W
(b) P
(c) T
(d) R
(e) None of these

Q93. How many persons sit between U and T?
(a) Three
(b) Four
(c) One
(d) None
(e) Two

Q94. Four of the following five are alike in a certain way and hence form a group find the one which does not belong to that group?
(a) U
(b) V
(c) P
(d) S
(e) W

Q95. Which of the following statement is true regarding T?
(a) T and Q faces same direction
(b) One person sits between T and R
(c) T and P are immediate neighbours of each other
(d) T faces towards the center of table.
(e) None is true

Q96. If V and Q interchange their position then who sits second to the left of Q?
(a) U
(b) P
(c) S
(d) R
(e) T

Directions (97-100): In each of the questions below. Some statements are given followed by conclusions/group of conclusions. You have to assume all the statements to be true even if they seem to be at variance from the commonly known facts and then decide which of the given conclusions logically follow from the information given in the statements:

Q97. Statements:
Only a few Ram is Harry.
Only Harry is Tom.
Some Harry is not Jerry.
Conclusion:
I. All Jerry is Harry.
II. Some Tom can be Ram.
(a) If only conclusion I follows
(b) If only conclusion II follows
(c) If either I or II follows
(d) If neither I nor II follows
(e) If both I and II follows

Q98. Statement:

Some Class is room.

No class is school.

Only a few school is office.

Conclusions:

I. All office can be class.

II. All room can be office.

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either I or II follows

(d) If neither I nor II follows

(e) If both I and II follows

Q99. Statement:

Only accounts is physics.

Only a few geometry is Maths.

Some Maths is accounts.

Conclusions:

I. All Maths can be accounts.

II. Some physics can be geometry.

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either I or II follows

(d) If neither I nor II follows

(e) If both I and II follows

Q100. Statements:

Only a few boy is father.

All father is mother.

Only a few mother is girl.

Conclusions:

I. Some mother is boy.

II. All girls can be boy.

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either I or II follows

(d) If neither I nor II follows

(e) If both I and II follows

Solutions

S1. Ans.(d)

Sol. The correct rearrangement of the parts of statement will be "**BACD**" which will make a grammatically correct and contextually meaningful statement. Hence, option (d) is the most suitable answer choice. The correct statement thus formed will be:

"*He barely touched upon local issues such as ownership rights for residents of illegal colonies or quality of potable water.*"

S2. Ans.(b)

Sol. The correct rearrangement of the parts of statement will be "**CBDA**" which will make a grammatically correct and contextually meaningful statement. Hence, option (b) is the most suitable answer choice. The correct statement thus formed will be:

"*The scale of the problem is better understood if we recognise that by far the largest number of working Indians is self-employed.*"

S3. Ans.(c)

Sol. The correct rearrangement of the parts of statement will be "**CBDA**" which will make a grammatically correct and contextually meaningful statement. Hence, option (c) is the most suitable answer choice. The correct statement thus formed will be:

"*Having said the ease of doing business is important, it needs to be emphasised that a business cannot flourish on its own.*"

S4. Ans.(d)

Sol. The correct rearrangement of the parts of statement will be "**ABCD**" which will make a grammatically correct and contextually meaningful statement. Hence, option (d) is the most suitable answer choice. The correct statement thus formed will be:

"*She is aware that her workers will buy at least some of the gloves to be produced but that this is unlikely to turn a profit sufficient to cover the initial costs to set it u*p."

S5. Ans.(d)

Sol. The correct rearrangement of the parts of statement will be "**DABC**" which will make a grammatically correct and contextually meaningful statement. Hence, option (d) is the most suitable answer choice. The correct statement thus formed will be:

"*That the Indian economy is facing an aggregate demand slowdown is indicated by the fact that aggregate investment, as a share of GDP, peaked in 2011.*"

S6. Ans.(d)

Sol. Among the given statements, only the statement (A) is an independent statement and can be successfully used to introduce the paragraph. Further, statement (D) will follow statement (A) which mentions the 'protest' that has been mentioned in the previous statements. Statement (G) will follow statement (D) for which we can gather the hint from the phrase 'such protests'. Further, statement (C) will follow statement (G) where 'for this' has been used for 'voice of people be heard', as mentioned in the previous statement. Subsequently, statement (E) will follow statement (C), which mentions about restraining people's right to protest. Further, statement (B) will follow statement (E) which mentions the repercussions these restrictions have. Only the statement (F) cannot fit logically in the given sequence. Therefore, the correct sequence of the statements will be **ADGCEB**. Hence, option (d) is the most suitable answer choice.

S7. Ans.(d)
Sol. Among the given statements, only the statement (A) is an independent statement and can be successfully used to introduce the paragraph. Further, statement (D) will follow statement (A) which mentions the 'protest' that has been mentioned in the previous statements. Statement (G) will follow statement (D) for which we can gather the hint from the phrase 'such protests'. Further, statement (C) will follow statement (G) where 'for this' has been used for 'voice of people be heard', as mentioned in the previous statement. Subsequently, statement (E) will follow statement (C), which mentions about restraining people's right to protest. Further, statement (B) will follow statement (E) which mentions the repercussions these restrictions have. Only the statement (F) cannot fit logically in the given sequence. Therefore, the correct sequence of the statements will be **ADGCEB**. Hence, option (d) is the most suitable answer choice.

S8. Ans.(d)
Sol. Among the given statements, only the statement (A) is an independent statement and can be successfully used to introduce the paragraph. Further, statement (D) will follow statement (A) which mentions the 'protest' that has been mentioned in the previous statements. Statement (G) will follow statement (D) for which we can gather the hint from the phrase 'such protests'. Further, statement (C) will follow statement (G) where 'for this' has been used for 'voice of people be heard', as mentioned in the previous statement. Subsequently, statement (E) will follow statement (C), which mentions about restraining people's right to protest. Further, statement (B) will follow statement (E) which mentions the repercussions these restrictions have. Only the statement (F) cannot fit logically in the given sequence. Therefore, the correct sequence of the statements will be **ADGCEB**. Hence, option (d) is the most suitable answer choice.

S9. Ans.(c)
Sol. Among the given statements, only the statement (A) is an independent statement and can be successfully used to introduce the paragraph. Further, statement (D) will follow statement (A) which mentions the 'protest' that has been mentioned in the previous statements. Statement (G) will follow statement (D) for which we can gather the hint from the phrase 'such protests'. Further, statement (C) will follow statement (G) where 'for this' has been used for 'voice of people be heard', as mentioned in the previous statement. Subsequently, statement (E) will follow statement (C), which mentions about restraining people's right to protest. Further, statement (B) will follow statement (E) which mentions the repercussions these restrictions have. Only the statement (F) cannot fit logically in the given sequence. Therefore, the correct sequence of the statements will be **ADGCEB**. Hence, option (c) is the most suitable answer choice.

S10. Ans.(a)
Sol. Among the given statements, only the statement (A) is an independent statement and can be successfully used to introduce the paragraph. Further, statement (D) will follow statement (A) which mentions the 'protest' that has been mentioned in the previous statements. Statement (G) will follow statement (D) for which we can gather the hint from the phrase 'such protests'. Further, statement (C) will follow statement (G) where 'for this' has been used for 'voice of people be heard', as mentioned in the previous statement. Subsequently, statement (E) will follow statement (C), which mentions about restraining people's right to protest. Further, statement (B) will follow statement (E) which mentions the repercussions these restrictions have. Only the statement (F) cannot fit logically in the given sequence. Therefore, the correct sequence of the statements will be **ADGCEB**. Hence, option (a) is the most suitable answer choice.

S11. Ans.(b)
Sol. Among the given words, '**correlation'**, which means '*a mutual relationship or connection between two or more things*' is the most suitable word to fill in the given blank. Hence, option (b) is the most suitable answer choice.

S12. Ans.(d)
Sol. Among the given phrases, '***higher levels of schooling for a mother'*** could make the sentence grammatically correct and contextually meaningful. Hence, option (d) is the most suitable answer choice.

S13. Ans.(c)
Sol. Among the given words, only 'acceptable; can fit in all the three blanks to make the statements grammatically correct and contextually meaningful. Hence, option (c) is the most suitable answer choice.

S14. Ans.(b)
Sol. Among the given highlighted words, 'relative' must be interchanged with 'participation' to make the statement grammatically correct and contextually meaningful. Hence, option (b) is the most suitable answer choice.

S15. Ans.(c)
Sol. In the given parts of the sentence, the error lies in part given in option (c), where 'than' must be replaced with 'then' to make the statement grammatically correct and contextually meaningful. Hence, option (c) is the most suitable answer choice.

S16. Ans.(c)
Sol. Among the given sentences, option (c) can be successfully placed between the italicized statements, as it will be considered as "*compelling evidence*", as mentioned in the previous statement. Hence, option (c) is the most suitable answer choice.

S17. Ans.(b)
Sol. Here, the phrases given in (A) and (E) connect well to form a grammatically correct and contextually meaningful statement. Similar is the case with (B) and (F). The statements thus formed will be:
"A slowing of aggregate demand growth can take more than one form."
"Right now the government needs to be pro-active rather than adopt a hands-off approach."

S18. Ans.(c)
Sol. Among the given phrases, only B-D can be successfully connected to make a contextually meaningful and grammatically correct statement. The statement thus formed will be:
"India's average bound tariff for dairy products is about 63.8% while its average applied tariff is 34.8%."

S19. Ans.(a)
Sol. Among the given phrases, only C-F can be successfully connected to make a contextually meaningful and grammatically correct statement. The statement thus formed will be:
"The Swiss firm Nestlé was the largest private purchaser of milk in India in 2019."

S20. Ans.(a)
Sol. Among the given phrases, only C-D can be successfully connected to make a contextually meaningful and grammatically correct statement. The statement thus formed will be:
"There is universal outrage about the communication blockade in the Kashmir Valley."

S21. Ans.(c)
Sol. Here, the phrases given in (B) and (E) connect well to form a grammatically correct and contextually meaningful statement. Similar is the case with (A) and (D). The statements thus formed will be:
"Brevity and quicksilver processes constitute a raging trend be it Twitter or two-minute noodles."
"In a bid to bolster cricket's original form, ICC is mulling over four-day Tests from 2023."

S22. Ans.(e)
Sol. Among the given phrases, none of them could be connected to form grammatically correct and contextually meaningful statements. Hence, option (e) is the most suitable answer choice.

S23. Ans.(c)
Sol. Exaggerate which means '*represent (something) as being larger, better, or worse than it really is*' has been used in a contextually correct manner in all the three statements but in statement (i) it has been used in grammatically incorrect way. In statement (i), 'exaggerates' must be replaced with 'exaggeration'. Hence, option (c) is the most suitable answer choice.

S24. Ans.(e)
Sol. In none of the given statements, 'unanimously' has been used in a grammatically correct and contextually meaningful way. Hence, option (e) is the most suitable answer choice.
Unanimously- without opposition; with the agreement of all people involved

S25. Ans.(e)
Sol. Anticipate which means "*regard as probable; expect or predict*" has been used correctly in all the given statements in a grammatically correct and contextually meaningful manner. Hence, option (e) is the most suitable answer choice.

S26. Ans.(b)
Sol. Discard which means 'get rid of (someone or something) as no longer useful or desirable' has been used in a contextually meaningful and grammatically correct manner in the statements (i) and (ii). In the statement (iii), 'anticipation' would be a more suitable word choice to be placed in the sentenced. Hence, option (b) is the most suitable answer choice.

S27. Ans.(d)
Sol. Cumbersome which means "*large or heavy and therefore difficult to carry or use; unwieldy*" has been used correctly in all the given statements in a grammatically correct and contextually meaningful manner. Hence, option (d) is the most suitable answer choice.

S28. Ans.(b)
Sol. Among the given set of words, the most suitable pair will be "**incompetent: ignorant**", where both the words are opposite to "adept". Hence, option (b) is the most suitable answer choice.
Adept: very skilled or proficient at something
Ignorant: lacking knowledge or awareness in general; uneducated or unsophisticated.

S29. Ans.(d)
Sol. Among the given set of words, the most suitable pair will be "destroy: disassemble", where both the words are synonymous with "dismantle". Hence, option (d) is the most suitable answer choice.
Dismantle: take a machine or structure to pieces.

S30. Ans.(c)
Sol. Among the given set of words, the most suitable pair would be "active:resting", where "active" is opposite to and "resting" is synonymous with "dormant". Hence, option (c) is the most suitable answer choice.

S31. Ans.(d)
Sol.
Let efficiency of a child be x units/hour.
Let time taken by 10 women be y days.
ATQ,
16x × 12 × 4 = 10 × 1.6x × y × 6
y= 8 days

S32. Ans.(e)
Sol.
Let profit and loss be Rs. 3x and Rs 4x respectively.
Let cost price be Rs y
ATQ,
$$\frac{y + 3x}{y - 4x} = \frac{5}{4}$$
4y + 12x = 5y – 20x
32x = y
Required loss % = $\frac{4x}{32x} \times 100$
= 12.5%

S33. Ans.(b)
Sol.
Total possible outcomes = 6^2 = 36
favourable outcomes
= (1,1), (1,2), (2,1), (4,1), (1,4), (2,3), (3,2), (6,1), (1,6), (5,2), (2,5), (3,4), (4,3), (6,5), (5,6).
Required probability = $\frac{15}{36}$
= $\frac{5}{12}$

S34. Ans.(d)
Sol.
Ratio of profit share of A and B
= 12000 × 9: 15000 × 8
= 9: 10
Total profit = $\frac{4000}{10} \times 19 \times \frac{100}{80}$
= Rs. 9500

S35. Ans.(c)
Sol.
Let speed of cycle and man be 'x' and 'y' m/sec. respectively
ATQ,
$x - y = 30$..............(i)
and
$x - 2.5y = 480 \times 0.85 \times \frac{1}{25.5}$
$x - 2.5y = 16$............(ii)
from (i) and (ii)
$y = \frac{14}{1.5} m/s$
speed of man= $\frac{14}{1.5} \times \frac{18}{5}$
= 33.6 km/hr

S36. Ans.(b)
Sol.

64	34	36	56	114	287	863
× 0.5+2	×1+2	×1.5+2	×2+2	×2.5+2	×3+2	

Wrong number is 860.

S37. Ans.(d)
Sol.

512   584   524   572   536   560   548
   +72   -60   +48   -36   +24   -12

Wrong number is 580.

S38. Ans.(a)
Sol.

7200   1200   240   60   20   10   10
   ÷6   ÷5   ÷4   ÷3   ÷2   ÷1

Wrong number is 15.

S39. Ans.(c)
Sol.

8   8   10   16   28   48   78
  +0   +2   +6   +12   +20   +30
  1^2-1 2^2-2 3^2-3 4^2-4 5^2-5 6^2-6

Wrong number is 80.

S40. Ans.(d)
Sol.

2   3   7   22   89   446   2677
  ×1+1   ×2+1   ×3+1   ×4+1   ×5+1   ×6+1

Wrong number is 6.

S41. Ans.(b)
Sol.

Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x
ATQ
3x – 3000 = 2.5x
$\Rightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

required average $= \frac{15000+6000+24000}{3} = $ Rs. 15000.

S42. Ans.(a)
Sol.

Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x
ATQ
3x – 3000 = 2.5x
$\Rightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

required % $= \frac{9000}{12000} \times 100 = 75\%$

S43. Ans.(e)
Sol.

Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x

ATQ
3x – 3000 = 2.5x
$\Rightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

Required difference
= Rs. {(24000 + 36000) − (30000 + 18000)}
= Rs. 12000.

S44. Ans.(c)
Sol.

Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x
ATQ
3x – 3000 = 2.5x
$\Rightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

Required amount $= \frac{45 \times 15000}{100} + \frac{40}{100} \times 15000$
= Rs. 12750.

S45. Ans.(c)
Sol.

Let the income of A, C & D be Rs. 4x, Rs. 3x & Rs. 6x respectively.
Saving of D = Rs 4x
Expenditure of D = Rs. 2x
Saving of C = Rs. x
Expenditure of A = 4x – (x + 3000)
= Rs. (3x - 3000)
Expenditure of B = Rs. 2.5x
ATQ
3x – 3000 = 2.5x
$\Rightarrow$ x = 6000.

	Income	Exp.	Savings
A	24000	15000	9000
B	30000	15000	15000
C	18000	12000	6000
D	36000	12000	24000

required % $= \frac{(15000+24000)-24000}{24000} \times 100$
= 62.5%

S46. Ans.(b)

Sol.

I. $4x^2 - 12x + 5 = 0$
$4x^2 - 10x - 2x + 5 = 0$
$2x(2x - 5) - 1(2x - 5) = 0$
$(2x - 5)(2x - 1) = 0$
$x = \dfrac{5}{2}, \dfrac{1}{2}$

II. $4y^2 + 8y - 5 = 0$
$4y^2 + 10y - 2y - 5 = 0$
$2y(2y + 5) - 1(2y + 5) = 0$
$(2y - 1)(2y + 5) = 0$
$y = \dfrac{1}{2}, \dfrac{-5}{2}$

So, $x \geq y$

S47. Ans.(d)

Sol.

I. $x^2 - 11x + 28 = 0$
$x^2 - 7x - 4x + 28 = 0$
$x(x - 7) - 4(x - 7) = 0$
$(x - 7)(x - 4) = 0$
$x = 7, 4$

II. $y^2 - 15y + 56 = 0$
$y^2 - 7y - 8y + 56 = 0$
$y(y - 7) - 8(y - 7) = 0$
$(y - 7)(y - 8) = 0$
$y = 8, 7$

$x \leq y$

S48. Ans.(a)

Sol.

I. $3x^2 - 7x + 2 = 0$
$3x^2 - 6x - x + 2 = 0$
$3x(x - 2) - 1(x - 2) = 0$
$(x - 2)(3x - 1) = 0$
$x = \dfrac{1}{3}, 2$

II. $4y^2 - y = 0$
$y(4y - 1) = 0$
$y = 0, \dfrac{1}{4}$

So, $x > y$

S49. Ans.(a)

Sol.

I. $10x^2 + 11x + 3 = 0$
$10x^2 + 6x + 5x + 3 = 0$
$2x(5x + 3) + 1(5x + 3) = 0$
$(5x + 3)(2x + 1) = 0$
$x = \dfrac{-3}{5}, \dfrac{-1}{2}$

II. $5y^2 + 9y + 4 = 0$
$5y^2 + 5y + 4y + 4 = 0$
$5y(y + 1) + 4(y + 1) = 0$
$(y + 1)(5y + 4) = 0$
$y = -1, \dfrac{-4}{5}$

$x > y$

S50. Ans.(c)

Sol.

I. $x + 10 = \sqrt[8]{3375}$
$x = 15 - 10$
$x = 5$

II. $y - 1 = \sqrt[2]{81} - 4$
$y = 6$

So, $y > x$

S51. Ans.(d)

Sol.

Let present age of Shiva be '$2x$' years.
Then present age of Deepa $= 3x$ years
ATQ,
$\dfrac{3x - 5}{2x + 10} = \dfrac{1}{2}$
$6x - 10 = 2x + 10$
$4x = 20$
$x = 5$
Required age $= (3x + 2x) + 10$
$= 35$ years

S52. Ans.(c)

Sol.

Let cost price of basmati rice be Rs. x per kg and cost price of regular rice be Rs. y per kg
ATQ,
$15 \times x + 24 \times y = 39 \times 1.4y$
$15x = 54.6y - 24y$
$15x = 30.6y$
$x : y = 51 : 25$

S53. Ans.(c)

Sol.

Let the length of rectangle be ℓ cm
Breadth of rectangle $= \sqrt{2025} = 45$ cm
ATQ,
$2(\ell + 45) = 216$
$\ell = 63$ cm
radius of the circle $= 31.5$ cm
Required area of circle $= \pi(31.5)^2 = 992.25\pi$ cm²

S54. Ans.(a)
Sol.
Let the sum invested be Rs. 100x.
simple interest received in later case = 24 × 2.5 = 60%
Let 24% interest is received when he invested for 'y' years
y=24%
$y + 4 = 60\%$
4 year → 36%
Required rate of interest =9% per annum

S55. Ans.(b)
Sol.
Let salary of Vinay be Rs. 100x.
Amount received by B
$= 100x \times 0.4 \times \frac{5}{8} = Rs\ 25x$
Amount received by Vinay's wife
= 60x × 0.6 = Rs 36x
ATQ,
36x - 25x = 5280
x = 480
salary of Vinay=Rs 48000

S56. Ans.(b)
Sol.
$required\ average = \frac{2400+3600+3000}{3}$
= 3000.

S57. Ans.(e)
Sol. required total = 2000 × 0.55 + 3500 × 0.4 = 2500

S58. Ans.(a)
Sol.
required difference
= {(3600 × 0.5 + 2000 × 0.45 + 3500 × 0.6)
−(3600 × 0.5 + 2000 × 0.55 + 3500 × 0.4)} = 500

S59. Ans.(c)
Sol.
required average
$= \frac{(2400\times0.4+3600\times0.5+2000\times0.45+3000\times0.48+3500\times0.6)}{5} = 1440.$

S60. Ans.(b)
Sol.
$required\ total = \left(\frac{3600}{80} \times 100\ +\frac{3500}{70} \times 100\right)$
= 4500+ 5000 = 9500.

S61. Ans.(d)
Sol.
$\frac{40}{100} \times 285 + \frac{60}{100} \times 175 \approx? \times 73$
$114 + 105 \approx 73 \times?$
$? \approx 3$

S62. Ans.(e)
Sol.
$379 - \frac{20}{100} \times 770 \approx (?+6)^2$
$379 - 154 \approx (?+6)^2$
$225 \approx (?+6)^2$
$? \approx 9$

S63. Ans.(b)
Sol.
$(223 + 227) \div 9 \approx ? \times 10$
$50 \approx ? \times 10$
$? \approx 5$

S64. Ans.(a)
Sol.
$\sqrt{1444} - \sqrt{841} \approx \sqrt{?} - \sqrt{324}$
$38 - 29 \approx \sqrt{?} - 18$
$\sqrt{?} \approx 27$
$? \approx 729$

S65. Ans.(e)
Sol.
$10 \times 100 \times 1000 \approx 10000 \times?$
$? \approx 100$

S66. Ans.(e)
Sol. From the given statements, Less than three persons were born after R. Only two persons were born between R and P.V was born on 9th of April. So we have two possible cases:

Months	Dates	Case-1	Case-2
March	2		
	9		
April	2		P
	9	V	V
May	2	P	
	9		R
September	2		
	9	R	

Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. T was born on an odd numbered date. S was born before U and after P so case-1 is eliminated. Hence the final arrangement is:

Months	Dates	Persons
March	2	Q
	9	T
April	2	P
	9	V
May	2	S
	9	R
September	2	W
	9	U

S67. Ans.(a)
Sol. From the given statements, Less than three persons were born after R. Only two persons were born between R and P.V was born on 9th of April. So we have two possible cases:

Months	Dates	Case-1	Case-2
March	2		
	9		
April	2		P
	9	V	V
May	2	P	
	9		R
September	2		
	9	R	

Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. T was born on an odd numbered date. S was born before U and after P so case-1 is eliminated. Hence the final arrangement is:

Months	Dates	Persons
March	2	Q
	9	T
April	2	P
	9	V
May	2	S
	9	R
September	2	W
	9	U

S68. Ans.(d)
Sol. From the given statements, Less than three persons were born after R. Only two persons were born between R and P.V was born on 9th of April. So we have two possible cases:

Months	Dates	Case-1	Case-2
March	2		
	9		
April	2		P
	9	V	V
May	2	P	
	9		R
September	2		
	9	R	

Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. T was born on an odd numbered date. S was born before U and after P so case-1 is eliminated. Hence the final arrangement is:

Months	Dates	Persons
March	2	Q
	9	T
April	2	P
	9	V
May	2	S
	9	R
September	2	W
	9	U

S69. Ans.(e)
Sol. From the given statements, Less than three persons were born after R. Only two persons were born between R and P.V was born on 9th of April. So we have two possible cases:

Months	Dates	Case-1	Case-2
March	2		
	9		
April	2		P
	9	V	V
May	2	P	
	9		R
September	2		
	9	R	

Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. T was born on an odd numbered date. S was born before U and after P so case-1 is eliminated. Hence the final arrangement is:

Months	Dates	Persons
March	2	Q
	9	T
April	2	P
	9	V
May	2	S
	9	R
September	2	W
	9	U

S70. Ans.(d)
Sol. From the given statements, Less than three persons were born after R. Only two persons were born between R and P.V was born on 9th of April. So we have two possible cases:

Months	Dates	Case-1	Case-2
March	2		
	9		
April	2		P
	9	V	V
May	2	P	
	9		R
September	2		
	9	R	

Q and T were born in the same month having 31 days. Number of persons born before T is the same as the number of persons born after W. T was born on an odd numbered date. S was born before U and after P so case-1 is eliminated. Hence the final arrangement is:

Months	Dates	Persons
March	2	Q
	9	T
April	2	P
	9	V
May	2	S
	9	R
September	2	W
	9	U

S71. Ans.(a)
Sol.

FACE   TIRE   MOCK   SITE   PAIN

| EBBF | SJQF   LPBJ   RJSF   OBJM

S72. Ans.(d)
Sol. Number of Letters between I and O is 5

S73. Ans.(d)
Sol. FACE MOCK PAIN SITE TIRE

S74. Ans.(e)
Sol. ACEF EIRT CKMO EIST AINP

S75. Ans.(c)
Sol.

FACE   TIRE   MOCK   SITE   PAIN
CAFE   RITE   COMK   TISE   IAPN

meaningful word is café and rite

S76. Ans.(a)
Sol.
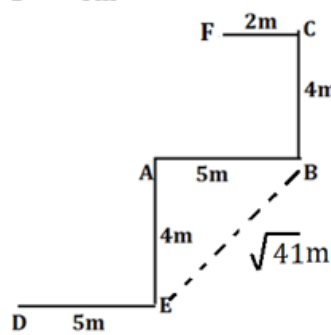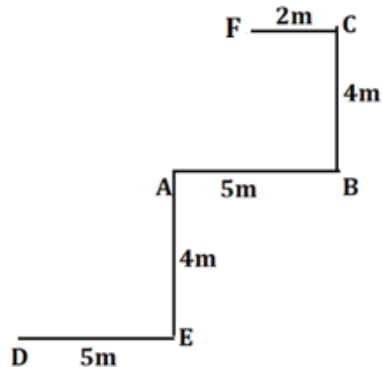
S77. Ans.(b)
Sol.
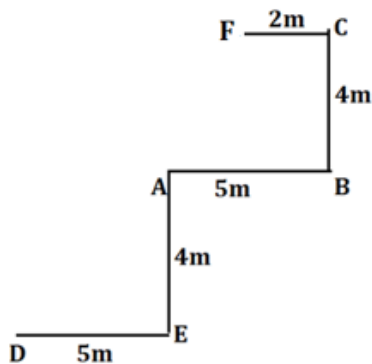
S78. Ans.(c)
Sol.
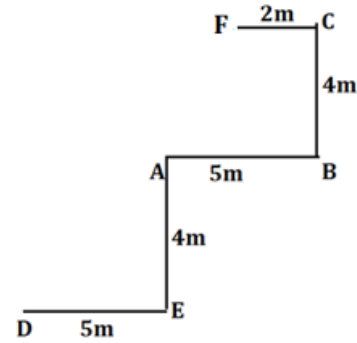
S79. Ans.(a)
Sol. It is given that Q sits second to the right of P. Two persons sit between Q and N. Thus from here we have two cases i.e. case1 and case2. N and S are immediate neighbours of each other. Thus from here we have one more case i.e. case2 (a).
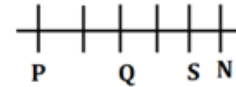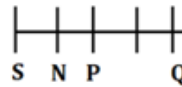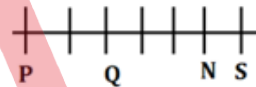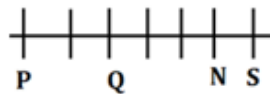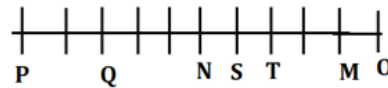

T sits immediate right of S. Thus case1 and case2 get eliminated. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other. Thus our final arrangement is

S80. Ans.(a)
Sol. It is given that Q sits second to the right of P. Two persons sit between Q and N. Thus from here we have two cases i.e. case1 and case2. N and S are immediate neighbours of each other. Thus from here we have one more case i.e. case2 (a).
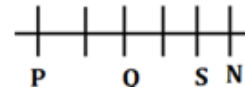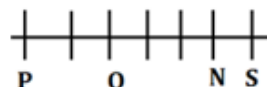
T sits immediate right of S. Thus case1 and case2 get eliminated. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other. Thus our final arrangement is
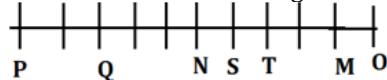
S81. Ans.(c)
Sol. It is given that Q sits second to the right of P. Two persons sit between Q and N. Thus from here we have two cases i.e. case1 and case2. N and S are immediate neighbours of each other. Thus from here we have one more case i.e. case2 (a).
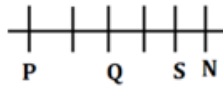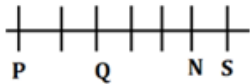
Case1

Case2

Case2(a)

T sits immediate right of S. Thus case1 and case2 get eliminated. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other. Thus our final arrangement is
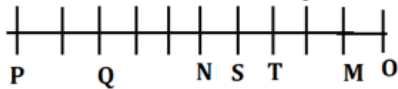
S82. Ans.(d)
Sol. It is given that Q sits second to the right of P. Two persons sit between Q and N. Thus from here we have two cases i.e. case1 and case2. N and S are immediate neighbours of each other. Thus from here we have one more case i.e. case2 (a).
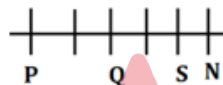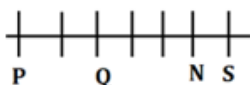
Case1

Case2

Case2(a)

T sits immediate right of S. Thus case1 and case2 get eliminated. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other. Thus our final arrangement is
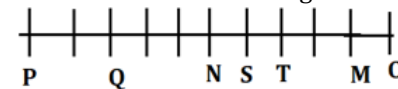
S83. Ans.(b)
Sol. It is given that Q sits second to the right of P. Two persons sit between Q and N. Thus from here we have two cases i.e. case1 and case2. N and S are immediate neighbours of each other. Thus from here we have one more case i.e. case2 (a).
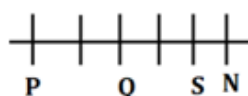
Case1

Case2

Case2(a)

T sits immediate right of S. Thus case1 and case2 get eliminated. Two persons sit between T and O. No one sits to the right of O.M and O are immediate neighbours of each other. Thus our final arrangement is

S84. Ans.(c)
Sol.

A(-)=G(+)

E(-)——B(+)=C(-)

F(-)——D(+)

S85. Ans.(a)
Sol.

A(-)=G(+)

E(-)——B(+)=C(-)

F(-)——D(+)

S86. Ans.(b)
Sol.

A(-)=G(+)

E(-)——B(+)=C(-)

F(-)——D(+)

A(-)=G(+)

J(+)=E(-)——B(+)=C(-)

F(-)——D(+)

S87. Ans.(c)
Sol.

Word	Code
were	re
you	ou
hardly	hy
matter	mr
what	wa
will	lw
that	ps
not	th

S88. Ans.(a)
Sol.

Word	Code
were	re
you	ou
hardly	hy
matter	mr
what	wa
will	lw
that	ps
not	th

S89. Ans.(c)
Sol.

Word	Code
were	re
you	ou
hardly	hy
matter	mr
what	wa
will	lw
that	ps
not	th

S90. Ans.(d)
Sol.

Word	Code
were	re
you	ou
hardly	hy
matter	mr
what	wa
will	lw
that	ps
not	th

S91. Ans.(b)
Sol.

Word	Code
were	re
you	ou
hardly	hy
matter	mr
what	wa
will	lw
that	ps
not	th

S92. Ans.(c)
Sol. It is given that R sits second to the right of P. Thus from here we have two cases i.e. case1 and case2. One person sits between R and W.
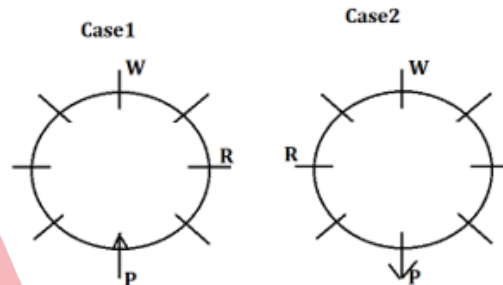
W and P faces each other. Thus case2 get eliminated. V who faces outside outside the centeris immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction. Thus our final arrangement is
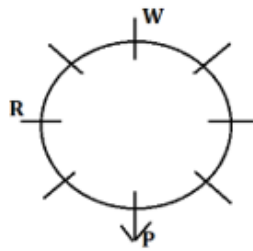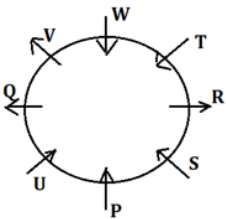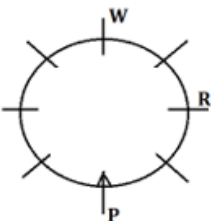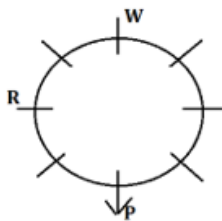

S93. Ans.(a)
Sol. It is given that R sits second to the right of P. Thus from here we have two cases i.e. case1 and case2. One person sits between R and W.

W and P faces each other. Thus case2 get eliminated. V who faces outside outside the centeris immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction. Thus our final arrangement is
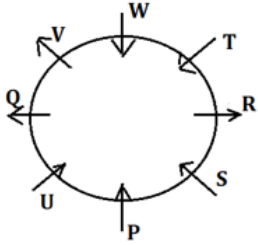
S94. Ans.(b)
Sol. It is given that R sits second to the right of P. Thus from here we have two cases i.e. case1 and case2. One person sits between R and W.
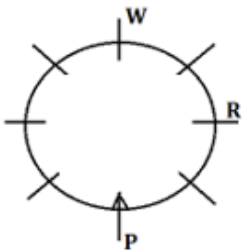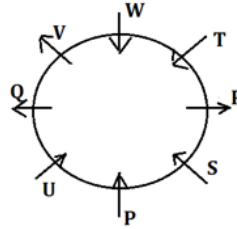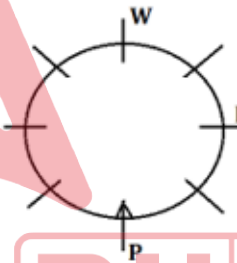

W and P faces each other. Thus case2 get eliminated. V who faces outside outside the centeris immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction. Thus our final arrangement is


S95. Ans.(d)
Sol. It is given that R sits second to the right of P. Thus from here we have two cases i.e. case1 and case2. One person sits between R and W.


W and P faces each other. Thus case2 get eliminated. V who faces outside outside the centeris immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction. Thus our final arrangement is

S96. Ans.(a)
Sol. It is given that R sits second to the right of P. Thus from here we have two cases i.e. case1 and case2. One person sits between R and W.
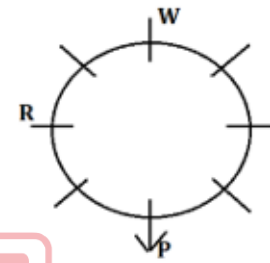
W and P faces each other. Thus case2 get eliminated. V who faces outside outside the centeris immediate neighbour of W. R and V are not adjacent to each other. Q and U are immediate neighbours of each other and faces opposite direction to each other. S sits second to the right of U.T and S faces opposite direction to Q.R and S faces opposite direction. Thus our final arrangement is
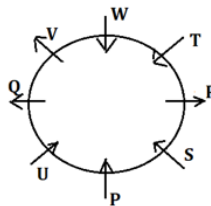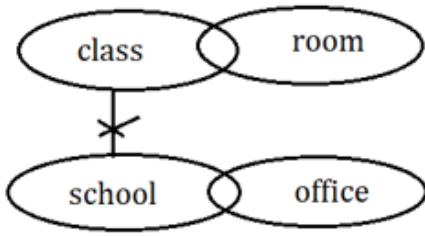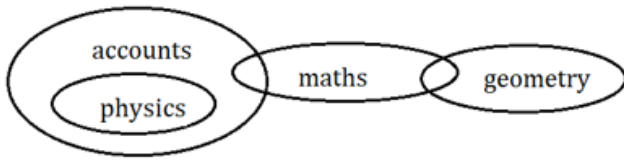

S97. Ans.(d)
Sol.
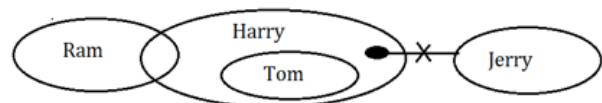
S98. Ans.(b)

Sol.

S99. Ans.(a)

Sol.

S100. Ans.(e)

Sol.