SSC MTS Question Bank

English Language

Q1. Out of the given options select the word which has been spelt incorrectly.
(a) Irreperable
(b) Honorary
(c) Fallacious
(d) Garrison

Q2. Select the most appropriate meaning of the given idiom.
Dark horse
(a) Nothing special at all
(b) Someone evil
(c) An unexpected winner
(d) To favor wrong

Q3. Select the most appropriate meaning of the given idiom.
Above board
(a) Honest and open
(b) Very excited
(c) Understood
(d) Eccentric

Q4. Out of the four given options select the word which is spelt correctly.
(a) Garrulous
(b) Gerulous
(c) Garulous
(d) Girulous

Q5. Select the word which means the same as the group of words given.
The branch of philosophy dealing with abstract concepts
(a) Metaphysics
(b) Theology
(c) Ichthyology
(d) Pantisocracy

Q6. Select the word which means the same as the group of words given.
Practice of employing spies in war
(a) Juxtapose
(b) Research
(c) Espionage
(d) Intelligence

Q7. Select the word which means the same as the given word.
Baleful
(a) Abandon
(b) Noxious
(c) Expel
(d) Chaos

Q8. Select the word which has the opposite meaning of the given word.
Livid
(a) Intricate
(b) Huddle
(c) Putrid
(d) Poised

Q9. Select the word which has the opposite meaning of the given word.
Torpid
(a) Quell
(b) Reticent
(c) Energetic
(d) Proffer

Q10. Select the word which means the same as the group of words given.
A place where money is coined
(a) Panacea
(b) Lexical
(c) Mint
(d) Factory

Q11. Select the word which has the same meaning as the given word.

Effigy

(a) Figure

(b) Desire

(c) Jovial

(d) Deny

Q12. Select the word which has the opposite meaning of the given word.

Zealot

(a) Polite

(b) Narrow

(c) Adversary

(d) Ally

Q13. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error mark 'no error' as your answer.

We'll let you know if any job openings come in.

(a) We'll let you

(b) If any job

(c) Openings come in

(d) No error

Q14. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error mark 'no error' as your answer.

The baseball is the most popular sport in Cuba.

(a) The baseball is

(b) The most popular

(c) Sport in Cuba.

(d) No error

Q15. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error mark 'no error' as your answer.

Since Hannah got here, she is been nothing but trouble.

(a) Since Hannah got here,

(b) She is been

(c) Nothing but trouble.

(d) No error

Q16. Select the most appropriate option to fill in the blank.

Mahabharata _____written by Maharishi Ved Vyas.

(a) Is

(b) Was

(c) Has

(d) Are

Q17. Select the most appropriate option to fill in the blank. Economic growth must create equal opportunities _____ all in India to learn and earn with dignity

(a) On

(b) For

(c) To

(d) Of

Q18. Select the option that will improve the highlighted part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Growth of GDP is not the purpose of human civilisation.

(a) Growth for GDP

(b) Growth at GDP

(c) Growth off GDP

(d) No Improvement required

Q19. Select the option that will improve the highlighted part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The government's interventions for better and scientific management of the groundwater situation in India reflect the spirit of cooperative federalism in **managing a precious resources.**

(a) Managed a precious resources

(b) Managing a precious resource

(c) Managing some precious resourcing

(d) No improvement required

Q20. Select the option that will improve the highlighted part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The boundary disputes between **Karnataka or Maharashtra** go back decades and continue to flare up every now and then.

(a) Karnataka and Maharashtra

(b) Karnataka if Maharashtra

(c) Karnataka nor Maharashtra

(d) No improvement required

Directions (21-25): In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

India's formal sector _____ (1) create enough good jobs. The form of the Indian economy must be changed. Further confusion in India's employment policies is evident with the concern of economists about there being too few women in the workforce. In the official narrative, too few Indian women venture out of their homes ____ (2) earn money. With more women in the workforce the economy would grow faster, say economists. This distorted view of the economy _____ (3) reality. More Indian women have been working outside their homes to earn money than any other

country perhaps. For centuries, they _____ (4) worked in large numbers on farms, as caregivers and domestic workers in others' homes, as municipal sweepers, and weavers and producers of handicrafts in small enterprises. They ____ (5) also employed as teachers and as Anganwadi and ASHAs (Accredited Social Health Activists) providing essential services to communities.

Q21. Select the most appropriate option to fill in blank number 1.
(a) Could
(b) Should
(c) Can
(d) Cannot

Q22. Select the most appropriate option to fill in blank number 2.
(a) To
(b) Of
(c) Too
(d) Off

Q23. Select the most appropriate option to fill in blank number 3.
(a) Ignore
(b) Ignores
(c) Ignoring
(d) Ignored

Q24. Select the most appropriate option to fill in blank number 4.
(a) Had
(b) Have
(c) Has
(d) Having

Q25. Select the most appropriate option to fill in blank number 5.
(a) Is
(b) Has
(c) Are
(d) Was

Q26. Select the correctly spelt word.
(a) Amandments
(b) Sorely
(c) Perequisite
(d) Immence

Q27. Select the most appropriate ANTONYM of the given word.
Circumvent
(a) Fetch
(b) Obey
(c) Amend
(d) Evade

Q28. Select the most appropriate option to fill in the blank in the given sentence.
There are strong global practices and_____ to control medical corruption.
(a) Followings
(b) Emoluments
(c) Precedents
(d) Traps

Q29. Select the synonym of the given word.
Unbridle
(a) Checked
(b) Hampered
(c) Unbounded
(d) Temperate

Directions (30-34): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Modern lifestyle has also made our lives _____ (1). Over the decades, much has changed, and we owe most of it to technology. Life has become more complex. Today, we can't think of living without smartphones and other gadgets. With the help of innovative inventions, many household chores can happen in a _____ (2) of time. There are convenient modes of transport that make our journey comfortable. Just as every coin has two sides, there are cons to this style of living and the most endangered one being a negative impact on our health. We have started to lead a sedentary lifestyle and no longer have the time to focus on our physical fitness and mental wellbeing. With modern technology, people have become _____ (3) as most of the facilities are available at the click of a button. In other words, technology is being over-exploited.
Lifestyle is an essential _____ (4) in health. Unhealthy behaviour can lead to illness, disability and even death. Recent medical reports show that there has been a rise in health-related issues like metabolic diseases, joint and skeletal problems, cardiovascular diseases, hypertension and obesity. Research has _____ (5) that a healthy lifestyle like appropriate diet, satisfactory physical fitness level and a healthy weight can provide health benefits.

Q30. Select the most appropriate option for blank no. 1.
(a) Complex
(b) Dangerous
(c) Easier
(d) Good

Q31. Select the most appropriate option for blank no. 2.
(a) Periods
(b) Quantity
(c) Less
(d) Snap

Q32. Select the most appropriate option for blank no. 3.
(a) Demanding
(b) Lazier
(c) Conscious
(d) Knowledgeable

Q33. Select the most appropriate option for blank no. 4.
(a) Factor
(b) Medium
(c) Source
(d) Product

Q34. Select the most appropriate option for blank no. 5.
(a) Shows
(b) Prove
(c) Agreed
(d) Proven

Q35. Select the option that is the indirect form of the given sentence.
Deepika says, "Amit has brought fame to his family."
(a) Deepika says that Amit has brought fame to his family.
(b) Deepika said that Amit has brought fame to his family.
(c) Deepika told that Amit has brought fame to his family.
(d) Deepika says that Amit have brought fame to his family.

Q36. Select the most appropriate meaning of the idiom.
Cakes and Ale
(a) An outrageous example of something bad.
(b) Something that makes a good situation even better.
(c) Insane or completely mad.
(d) To enjoy something without any trouble, problems or worries.

Q37. Select the most appropriate ANTONYM of the given word.
Diligent
(a) External
(b) Happy
(c) Clear
(d) Inactive

Q38. Select the word which means the same as the group of words given.
Denoting a thing or person previously mentioned.
(a) Unsubstantiated
(b) Aforementioned
(c) Torrent
(d) Demagogue

Q39. Select the most appropriate synonym of the given word.
Relinquish
(a) Surrender
(b) Enjoy
(c) Claim
(d) Protect

Q40. Identify the segment in the given sentence which contains the grammatical error.
He rarely eats in restaurants, doesn't he?
(a) He rarely
(b) eats in restaurants
(c) doesn't he
(d) No Error

Q41. Given below are four jumbled sentences. Select the option that gives their correct order.
A. A rich man, madly in love with gold and wanted everything of gold.
B. Everyone used to call him a gold lover.
C. He used to live with his daughter.
D. The gold and daughter were the only precious things in his life.
(a) DABC
(b) ACDB
(c) CDAB
(d) BDCA

Q42. Select the option that is the passive form of the given sentence.
Ramesh painted the entire house.
(a) The entire house was painted by Ramesh.
(b) The entire house was being painted by Ramesh.
(c) The entire house is painted by Ramesh.
(d) The entire house has been painted by Ramesh.

Q43. Select the word which means the same as the group of words given.
Something unusual, unexpected, or different from what normally happens.
(a) Anomaly
(b) Chronology
(c) Eloquent
(d) Synchronize

Q44. Select the most appropriate option to fill in the blank in the given sentence.
Heritage sites are the physical component of a city's _____.
(a) Beauty
(b) Identity
(c) Conservation
(d) Custom

Q45. Select the most appropriate meaning of the idiom given in bold in the given sentence.
When depression haunts your mind, life problems weigh you down and you take life too seriously it is difficult to **think out of the box**.
(a) Look at the broader context of a problem, challenge.
(b) To be in full agreement.
(c) To stay calm.
(d) Very happy and excited.

Q46. Select the INCORRECTLY spelt word.
(a) Incorporation
(b) Spontaneous
(c) Curricular
(d) Affilliation

Q47. Identify the segment in the given sentence which contains the grammatical error.
Savita is the elder of the four sisters.
(a) Savita is the
(b) elder of the
(c) four sisters.
(d) No Error

Q48. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'
She is **one of the most loved celebrity** on social media and never shies away from expressing her thoughts.
(a) One of the most loved celebrities
(b) One of the most loving celebrity
(c) One of the most love celebrities
(d) No improvement

Q49. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'
Playful communication and humour, strengthen relationships **by fostering** emotional connection and triggering positive feelings.
(a) To fostering
(b) By fostered
(c) To foster
(d) No improvement

Q50. Given below are four jumbled sentences. Select the option that gives their correct order.
A. Friendship expects and endures the good, the bad, and the ugly.
B. They give their all.
C. Friendship is a partnership.
D. Two people come together on equal terms.
(a) CDBA
(b) ADBC
(c) DABC
(d) BDCA

Q51. Select the correctly spelt word.
(a) Encapsuliate
(b) Purceive
(c) Companions
(d) Transfussion

Q52. Select the most appropriate ANTONYM of the given word.
Callous
(a) Insensitive
(b) Compassionate
(c) Unfriendly
(d) Rude

Q53. Select the most appropriate option to fill in the blank in the given sentence.
We cannot control how _____ react to certain situations but you can certainly control your own.
(a) Other
(b) Others
(c) Other's
(d) Others'

Q54. Select the synonym of the given word.
Soar
(a) Rise
(b) Bitter
(c) Heavy
(d) Ready

Directions (55-59): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Once, there lived a very rich merchant in Agra. One day, a burglary took place in his house. The merchant _____ (55) one of his numerous servants but he did not know who the actual thief was. So, he went to Birbal and asked for his help.
On hearing this, Birbal thought of a clever plan and summoned the merchant's servants.
He gave each servant a stick of the same length. He told _____ (56) that the thief's stick would grow two inches by the next day.
The next day, Birbal summoned the servants _____ (57). He noticed that a servant's stick was two inches shorter than the others.
He knew _____ (58) the thief was. The foolish thief had cut the stick shorter by two inches as he thought it would grow two inches. Thus, _____ (59) his guilt.

Q55. Select the most appropriate option for blank no. 1.
(a) Found
(b) Suspected
(c) Identified
(d) Astonished

Q56. Select the most appropriate option for blank no. 2.
(a) Him
(b) There
(c) Them
(d) All

Q57. Select the most appropriate option for blank no. 3.
(a) Angrily
(b) Fast
(c) Before
(d) Again

Q58. Select the most appropriate option for blank no. 4.
(a) Who
(b) Which
(c) Whom
(d) That

Q59. Select the most appropriate option for blank no. 5.
(a) Proof
(b) Proved
(c) Proving
(d) Prove

Q60. Select the option that is the indirect form of the given sentence.
Monali said, 'I'm feeling ill.'
(a) Monali said that she is feeling ill.
(b) Monali said that she felt ill.
(c) Monali said that she has been feeling ill.
(d) Monali said that she was feeling ill.

Q61. Select the most appropriate meaning of the idiom.
Break a leg
(a) Take advantage of a good situation.
(b) To be cautious because you have been hurt before.
(c) To wish someone luck, especially before a performance.
(d) Go through something difficult.

Q62. Select the most appropriate ANTONYM of the given word.
Sedentary
(a) Energetic
(b) Careful
(c) Bitter
(d) Complex

Q63. Select the word which means the same as the group of words given.
Examine one's own thoughts or feelings.
(a) Confront
(b) Introspect
(c) Precision
(d) Prevailing

Q64. Select the most appropriate synonym of the given word.
Cognizance
(a) Ancient
(b) Ignorant
(c) Careful
(d) Aware

Q65. Identify the segment in the given sentence which contains the grammatical error.
If you will do well in the exam, I will buy you a gift.
(a) I will buy
(b) a gift.
(c) If you will do
(d) No error

Q66. Given below are four jumbled sentences. Select the option that gives their correct order.
A. Once a hungry wolf was in search of his prey.
B. The goat spotted the hungry wolf.
C. He spotted a goat.
D. Before the poor goat could escape, the wolf pounced and instantly killed him.
(a) ABCD
(b) ADBC
(c) ACBD
(d) BDAC

Q67. Select the option that is the passive form of the given sentence.
She grows plants.
(a) Plants are being grown by her.
(b) Plants are grown by her.
(c) Plants were grown by her.
(d) Plants have been grown by her.

Q68. Select the word which means the same as the group of words given.
A register recording a line of ancestors.
(a) Pedigree
(b) Distribute
(c) Biography
(d) Historiography

Q69. Select the most appropriate option to fill in the blank in the given sentence.
To bring us the beauty of the unseen gems of India, MakeMyTrip _____ with 22 popular travel Instagrammers, as a part of the #MyIndia campaign.
(a) Aggregated
(b) Sponsored
(c) Collaborated
(d) Opted

Q70. Select the most appropriate meaning of the idiom given in bold in the given sentence.
A poll campaign speech made by the President of Opposition Party attacking Prime Minister **kicked up** a controversy on Thursday.
(a) To cause something to become stronger or more intense.
(b) To create problems
(c) To trouble someone
(d) To get annoyed or dissatisfied.

Q71. Select the INCORRECTLY spelt word.
(a) Destination
(b) Campaign
(c) Pandamic
(d) Knowledge

Q72. Identify the segment in the given sentence which contains the grammatical error.
Nobody went to the concert, didn't they?
(a) Nobody went
(b) to the concert
(c) didn't
(d) they?

Q73. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'
If you **weren't** smart about your spending, it will be impossible for your small business to grow.
(a) Aren't
(b) Were
(c) Can't
(d) No improvement

Q74. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'
The mandate of the MGNREGA, 2005 is to provide at least 100 days of wage employment in a financial year to every rural household **whose** adult member volunteers to do unskilled manual work.
(a) Whom
(b) Which
(c) That
(d) No improvement

Q75. Given below are four jumbled sentences. Select the option that gives their correct order.
A. The Indian government reflects specific economic policies that emphasize the importance of education in India.
B. A well-educated nation discards any obstacles that hinder its growth and strives hard to attain sustainable development.
C. Education in India refers to the process of learning, training, and teaching human capital in schools and universities.
D. Education has the potential to revolutionize the course of a nation – with skilled and educated youths.
(a) DBCA
(b) ADBC
(c) CDAB
(d) BDCA

Q76. Select the option that is the indirect form of the given sentence.
Sheena said, "I am very busy now."
(a) Sheena told that she might be very busy then.
(b) Sheena said that she is very busy now.
(c) Sheena said that she was very busy then.
(d) Sheena said that she will be very busy then.

Q77. Select the most appropriate meaning of the idiom.
Keep one at bay
(a) To keep something dangerous at a safe distance.
(b) In a very difficult situation
(c) With all one's power.
(d) Use all available means

Q78. Select the most appropriate ANTONYM of the given word.
Haughty
(a) Important
(b) Proud
(c) Humble
(d) Bold

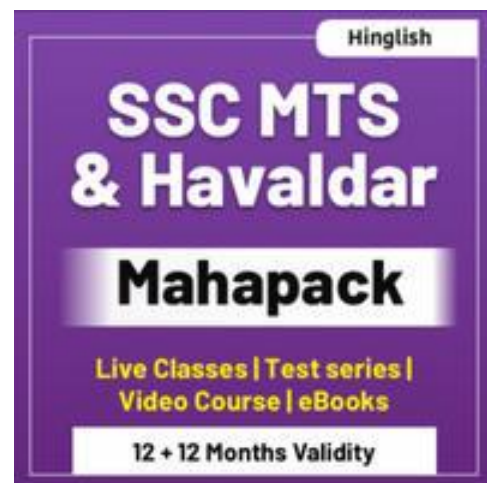**Q79. Select the word which means the same as the group of words given.**
A building in which objects of historical, scientific, artistic, or cultural interest are stored and exhibited.
(a) Aquarium
(b) Podium
(c) Auditorium
(d) Museum

Q80. Select the most appropriate synonym of the given word.
Pungent
(a) Gentle
(b) Safe
(c) Strong
(d) Heavy

Q81. Identify the segment in the given sentence which contains the grammatical error.

My 23-years-old friend does not want to work.
(a) does not
(b) want to work.
(c) My 23-years
(d) No error

Q82. Select the INCORRECTLY spelt word.
(a) Volenteer
(b) Progressed
(c) Ducked
(d) Cheeks

Q83. Identify the segment in the given sentence which contains the grammatical error.

One should be conscious of his health.
(a) One must be
(b) his health
(c) conscious of
(d) No Error

Q84. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'

For the last three years, electoral bonds have been the dominant method of political party funding in India.
(a) Since the last three years
(b) From the last three years
(c) Of the last three years
(d) No improvement

Q85. Select the option that will improve the segment in bold of the given sentence. In case no improvement is needed, select 'No improvement.'

Inspiration is food for our soul that desperately drives us to be better and be the person we **dreaming to be**.
(a) Dreamt to be
(b) Dream to be
(c) Dream too be
(d) No improvement

Q86. Given below are four jumbled sentences. Select the option that gives their correct order.

A. One day, standing in the middle of the town, he announced that he had the most beautiful heart in the whole valley.
B. A large crowd gathered to have a look at his heart.
C. A young man was proud of his healthy and beautiful heart.
D. Indeed, the man had the most beautiful heart in the valley, everyone agreed.
(a) DABC
(b) ADBC
(c) CABD
(d) BDCA

Q87. Select the correctly spelt word.
(a) Instentaneously
(b) Prominant
(c) Complementary
(d) Resillience

Q88. Select the most appropriate ANTONYM of the given word.

Fugitive
(a) Temporary
(b) Approachable
(c) Cheerful
(d) Available

Q89. Select the most appropriate option to fill in the blank in the given sentence.

Research and development of the BrahMos cruise missile systems _____ in the late 1990s.
(a) Begin
(b) Begun
(c) Began
(d) Beginning

Q90. Select the synonym of the given word.

Pitiable
(a) Respectable
(b) Fortunate
(c) Unworthy
(d) Fortunate

Directions (91-95): In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

People with higher education and _____ (1) experience are more likely to get high-paying, expert jobs. Study hard, dedicate your time and effort to acquire knowledge and reach a high level of competence if you would like to lead a comfortable lifestyle. Your credentials are _____ (2) will motivate a potential employer to choose you instead of another candidate. Studying hard _____ (3) your school and studies shows you are not afraid of hard work and are able to fulfil your goals. Employers see this as a huge advantage as they all prefer a responsible and _____ (4) workforce. Once you graduate, you can start searching for jobs that will give you the opportunity to practice what you have learned and, at the same time, secure sufficient pay for your _____ (5).

Q91. Select the most appropriate option for blank no. 1
(a) Bigger
(b) Much
(c) Varied
(d) Relevant

Q92. Select the most appropriate option for blank no. 2
(a) What
(b) That
(c) Which
(d) Who

Q93. Select the most appropriate option for blank no. 3
(a) In
(b) From
(c) Into
(d) Throughout

Q94. Select the most appropriate option for blank no. 4
(a) Genuine
(b) Knowledgeable
(c) Hardworking
(d) Intelligent

Q95. Select the most appropriate option for blank no. 5
(a) Enjoyment
(b) Advantage
(c) Needs
(d) Works

Q96. Select the word which means the same as the group of words given.
The art of beautiful handwriting.
(a) Calligraphy
(b) Gerontology
(c) Cartographer
(d) Anthology

Q97. Select the most appropriate option to fill in the blank in the given sentence.
Heat _____ during the fire destroys animal habitats.
(a) Initiates
(b) Widespread
(c) Generated
(d) Occurs

Q98. Select the option that is the indirect form of the given sentence.
He said, "I must finish the assignment on time."
(a) He said that he would finish the assignment on time.
(b) He said that you must finish the assignment on time.
(c) He told that he has to finish the assignment on time.
(d) He said that he had to finish the assignment on time.

Q99. Select the most appropriate meaning of the idiom.
Carry the day
(a) To be successful
(b) To enjoy the day
(c) To utilize the time properly
(d) Something that is interesting, for only a very short time.

Q100. Select the option that is the passive form of the given sentence.
Ajay did not accept the invitation.
(a) The invitation is not accepted by Ajay.
(b) The invitation had not accepted by Ajay.
(c) The invitation was not accepted by Ajay.
(d) The invitation was not been accepted by Ajay.

Quantitative Aptitude

Q101. A train leaves Kurukshetra at 5 am and reaches Bhopal at 3 pm. Another train leaves Bhopal at 7 am and reaches Kurukshetra at 5 pm. When do the two trains meet? Assume that the trains travels with uniform speeds.
(a) 12 noon
(b) 10 am
(c) 11 am
(d) 1 pm

Q102. To dispose of the old stocks, a person sold a tea-set for Rs. 1710, which was 43% below the cost price. In order to make a profit of 15%, the seller should have sold the set for Rs. _____ ?
(a) Rs. 3450
(b) Rs. 3590
(c) Rs. 4680
(d) Rs. 4520

Q103. Kishan cycled a distance of 120 km at a certain speed. If he cycled at a speed slower by 2 km/hr than actual, he would have taken 3 more hours to reach his destination. What is the speed in km/hr at which Kishan actually cycled?
(a) 10
(b) 12
(c) 15
(d) 8

Q104. 10 people can build a wall in 12 days. Six people each only half as efficient as those in first group, will be able to complete $\frac{3}{5}$ of such a wall in:
(a) 25 days
(b) 18 days
(c) 20 days
(d) 24 days

Q105. The volume of a right circular cone, whose radius of the base is half of its altitude, and the volume of a hemisphere are equal. The ratio of the radius of the cone to the radius of the hemisphere is:
(a) $\sqrt{2} : 1$
(b) 2 : 1
(c) $\sqrt[3]{2} : 1$
(d) 1 : 1

Directions 106: The given graph shows the distribution of minerals in the human body.

Distribution of various minerals in humanbody
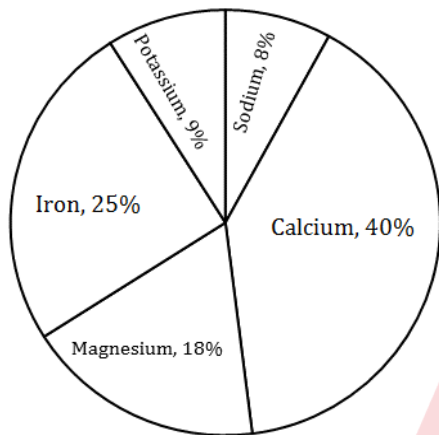
Q106. Based on the given data, what is the ratio of calcium to sodium found in the human body?
(a) 2 : 1
(b) 4 : 1
(c) 3 : 1
(d) 5 : 1

Q107. Raman sold an item at a loss of 15%. If he had sold it for Rs. 66 more, he would have made a profit of 15%. What should be the selling price of the item to make a profit of 25%?
(a) Rs. 300
(b) Rs. 275
(c) Rs. 250
(d) Rs. 280

Q108 Find the value of $\left\{(49)^{\frac{3}{2}} + (49)^{-\frac{3}{2}}\right\}$
(a) $\frac{117549}{343}$
(b) $\frac{117550}{343}$
(c) $\frac{117659}{343}$
(d) $\frac{117650}{343}$

Q109. Length and breadth of a rectangle are increased by 10% and 20% respectively. What will be the percentage increase in the area of rectangle?
(a) 30%
(b) 32%
(c) 28%
(d) 33%

Q110. The length of the diagonal and the breadth of a rectangle are 25 cm and 7 cm respectively. Find its perimeter (in cm).
(a) 124
(b) 41
(c) 82
(d) 62

Q111. The curved surface area and the slant height of a right circular cone are 99 cm² and 9 cm respectively. Find its diameter (in cm).
(a) 3.5
(b) 7
(c) 14
(d) 10.5

Q112. Akash starts a business with Rs 85000 and Payal joins him with Rs 102000. If the profit at the end of a year is divided in the ratio 1 : 1, then after how many months did Payal join Akash?
(a) 3
(b) 2
(c) 9
(d) 8

Q113. What is the average of all the one digit, two digit and three digit natural numbers?
(a) 300
(b) 500
(c) 1000
(d) 1250

Q114. If the time increases by 7 years, then simple interest increases by Rs 8400 on a sum of Rs 6000. What is the rate (in percentage) of interest per annum?
(a) 18
(b) 12
(c) 20
(d) 24

Q115. Cost price of a refrigerator is Rs 13400. If loss percentage is 4%, then what is the selling price (in Rs) of the refrigerator?
(a) 12203
(b) 12864
(c) 14420
(d) 11312

Q116. On Selling a toy at 20/31 of the marked price there is a loss of 20%. What will be the ratio of marked price and cost price of the toy?
(a) 31 : 18
(b) 25 : 18
(c) 31 : 25
(d) 23 : 18

Q117. Two pipes X and Y can fill an empty tank in 16 hours and 20 hours respectively. Pipe Z alone can empty the completely filled tank in 25 hours. Firstly, both pipes X and Y are opened and after 6 hours pipe Z is also opened. What will be the total time (in hours) taken to completely fill the tank?
(a) 80/7
(b) 67/7
(c) 28/3
(d) 304/29

Q118. Simplify: $(13)^2 - (14)^2 + (17)^2 - 250 = \sqrt{?}$
(a) 196
(b)169
(c) 121
(d)144

Directions (119-120): The bar graph shows the population density (people per 100 sq. km.) of
6 countries study the diagram and answer the following questions.
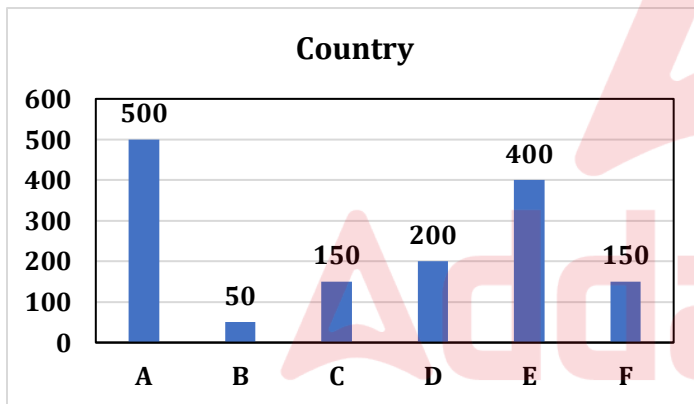
Country

Q119. What is the ratio of the population density of country C and country D?
(a) 3 : 4
(b) 4 : 3
(c) 5 : 4
(d) 4 : 5

Q120. What is the difference in the average number of people living per 1000 sq. km in countries E and F?
(a) 250
(b) 4000
(c) 400
(d) 2500

Q121. A grinder was marked at Rs 3600. After given a discount of 10% the dealer made a profit of 8%. Calculate the cost price.
(a) Rs 3000
(b) Rs 3200
(c) Rs 2800
(d) Rs 3150

Direction (122-123): The pie chart shows the number of students enrolled in the various courses that a certain college offers. Study the diagram and answer the following questions
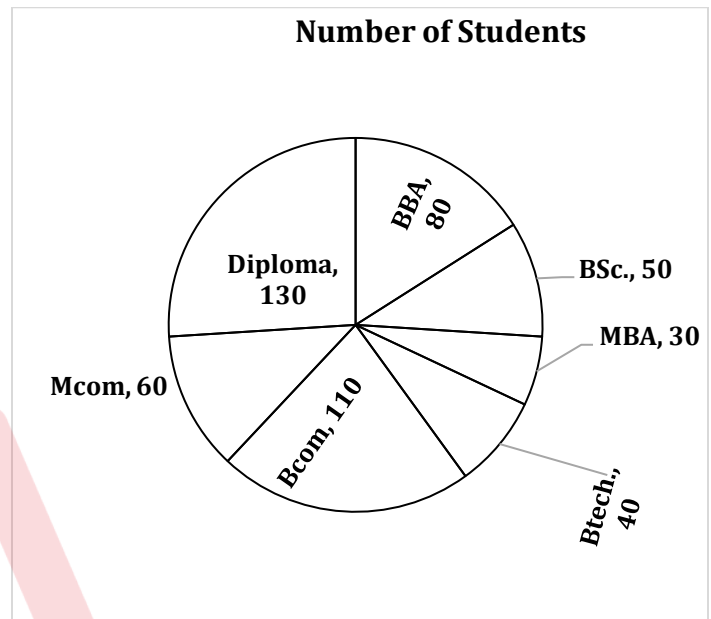
Number of Students

Q122. What is the ratio of number of students enrolled in BSc. to BCom?
(a) 5:3
(b) 1:1
(c) 5:11
(d)5:13

Q123. The measure of the central angle of the sector representing the M.com course is:
(a) 43.2°
(b) 50.8°
(c) 32.6°
(d)64.8°

Q124. $[53 - \{31 - (8 - \overline{7 - 4})\}] \div 3 = ?$
(a) 18
(b) 6
(c) 9
(d) 12

Q125. If 81 is added to a number, then it becomes $437\frac{1}{2}\%$ of itself. Find original number.
(a) 3
(b) 8
(c) 24
(d) 105

Q126. Population of a town is 18900 out of which 4/9 part are male and remaining are female. 50% male are married. Calculate the percentage of married female.
(a) 20%
(b) $12\frac{1}{2}\%$
(c) $16\frac{1}{4}\%$
(d) 40%

Q127. Find value of $-3^{16} + 2.(3+1)(3^2+1)(3^4+1)(3^8+1)$
(a) $3^{17} - 1$
(b) $2.3^{16} - 1$
(c) 0
(d) -1

Q128. Speed of a train is 72 km/hr, it crosses a 500-meter-long platform in 60 sec. Find length of train?
(a) 500
(b) 1200
(c) 700
(d) 800

Q129. Difference between CI and SI of 2 years is 128 Rs at rate of 8% per annum. Find the principal amount.
(a) 10,000
(b) 15,000
(c) 25,000
(d) 20,000

Q130. A shopkeeper gives two articles free on buying of 6 articles. Find discount percentage.
(a) 20%
(b) 25%
(c) $37\frac{1}{2}\%$
(d) $12\frac{1}{2}\%$

Q131. Find least number when it is divided by 2, 3, 4, 5 give the remainder 1 in each case.
(a) 59
(b) 61
(c) 13
(d) 21

Q132. Ratio of radius and height of a cylinder is 1 : 3 and the curved surface area of the cylinder is 1386 cm². If radius of cylinder is 7 cm then find its height.
(a) 14
(b) 42
(c) 21
(d) None

Q133. Raam can do a piece of work in 10 days while Rupesh can do half of the same work in 20 days. Find in how many days they complete the third fourth of the work together.
(a) 8
(b) 6
(c) 4
(d) 7

Q134. To cover a distance of 90 km in 2.5 hours what should be the average speed of car in meter/second?
(a) 10
(b) 20
(c) 30
(d) 40

Q135. If in 3 years at simple interest the principal increases by 27% what is the rate of interest per annum?
(a) 6%
(b) 9%
(c) 27%
(d) 18%

Q136. Two pipes A and B can fill a tank in 24 and 32 min. respectively. Both pipes are opened together. After how much time pipe A is closed so that the tank is full in 16 min.
(a) 14
(b) 12
(c) 13
(d) 16

Q137. A batsman makes a score of 95 runs in the 13th match and thus increases his average per match by 4. What is his average after the 13th match?
(a) 47
(b) 43
(c) 45
(d) 49

Q138. If the sum of twice of fraction and 5 times its reciprocal is 7. What is the fraction?
(a) $\frac{2}{5}$
(b) $\frac{5}{4}$
(c) $\frac{5}{2}$
(d) $\frac{4}{5}$

Q139. If the perimeter of a rectangle and a square are equal and the ratio of two adjacent sides of the rectangle is 3 : 4. Then the ratio of the area of the rectangle and that of the square is:
(a) 3 : 4
(b) 2 : 1
(c) 15 : 16
(d) 48 : 49

Q140. In how many years a sum of Rs 3000 will yield an interest of Rs 1080 at 12% per annum simple interest?
(a) 2 years
(b) 4 years
(c) 3 years
(d) 5 years

Q141. The sum of the digits of a two-digit number is 10. The number formed by reversing the digits is 18 less than the original number. Find the original number.
(a) 64
(b) 46
(c) 28
(d) 82

Q142. A 85 m long bar is divided into two parts. If one part is $\frac{2}{3}$ of the other part, then the longer part (in m) is:
(a) 48
(b) 53
(c) 51
(d) 47

Q143. Find the square root of $5 + 2\sqrt{6}$
(a) $\sqrt{2} + 3$
(b) $5 + \sqrt{2}$
(c) $\sqrt{3} + 2$
(d) $\sqrt{2} + \sqrt{3}$

Q144. $[8.7 \times 8.7 + 2 \times 8.7 \times 1.3 + 1.3 \times 1.3]$ is equal to:
(a) 10
(b) 2.89
(c) 16.9
(d) 100

Q145. Arun is thrice as efficient as Sunil and is therefore able to finish a piece of work in 60 days less than Sunil. Arun and Sunil can individually complete the work respectively in:
(a) 20 and 80 days
(b) 40 and 100 days
(c) 25 and 85 days
(d) 30 and 90 days

Q146. If 72 workers can build a wall of 280 m length in 21 days. How many workers could take 18 days to build a similar type of wall of length 100 m?
(a) 25
(b) 32
(c) 30
(d) 40

Q147. An express train travelling at 48 km/hr crosses another train, having half its length and travelling in opposite direction at 42 km/h. in 12 seconds. It also passes a railway platform in 45 seconds. The length of railway platform is.
(a) 400 m
(b) 500 m
(c) 450 m
(d) 600 m

Q148. A man covers half of his journey at 6 km/hr and the remaining at 3 km/hr. His average speed is:
(a) 4.5 km/hr
(b) 4 km/hr
(c) 5 km/hr
(d) 3.5 km/hr

Q149. An open cistern of capacity 8000 litres measures externally 3.3 m by 2.6 m by 1.1 m and its walls are 5 cm thick. The thickness of the bottom is:
(a) 0.5 m
(b) 0.01 m
(c) 0.1 m
(d) 0.05 m

Q150. A solid metallic spherical ball of diameter 6 cm is melted and recasted into a cone with diameter of the base as 12 cm. The height of the cone is:
(a) 4 cm
(b) 4.5 cm
(c) 3 cm
(d) 5 cm

Q151. The difference between the compound interest and the simple interest on a certain sum at 5% pe annum for 2 years is Rs 4.5. The sum is:
(a) Rs 2400
(b) Rs 1800
(c) Rs 1500
(d) Rs 2000

Q152. In what ratio must a grocer mix tea of Rs 72 kg and Rs 90 kg, so that by selling the mixture at Rs 99.6 Rs/kg he gains 20%?
(a) 2 : 3
(b) 7 : 11
(c) 3 : 7
(d) 13 : 19

Q153. The product of two numbers is 2187. If HCF of these numbers is 27, then the greater number is:
(a) 108
(b) 85
(c) 81
(d) 27

Q154. The average of 50 numbers is 40. The average of these 50 numbers and 5 others new number is 45. The average of the five new numbers is:
(a) 85
(b) 95
(c) 75
(d) 65

Q155. The population of a town in the year 2002 was 4 lakhs. The people start shifting from there to other town at the rate of 5% per year, then what will be population in 2005.
(a) 342950
(b) 324590
(c) 426390
(d) 426930

Q156. The speed of a pipe is thrice the speed of the other pipe. If both working together can fill a tank in 36 minutes, then how much time will slower pipe take to fill it?
(a) 120 min
(b) 144 min
(c) 154 min
(d) 136 min

Directions (157-159): Study the following table carefully and assure these questions.

No. of staffs — List of 5 coachings in a town
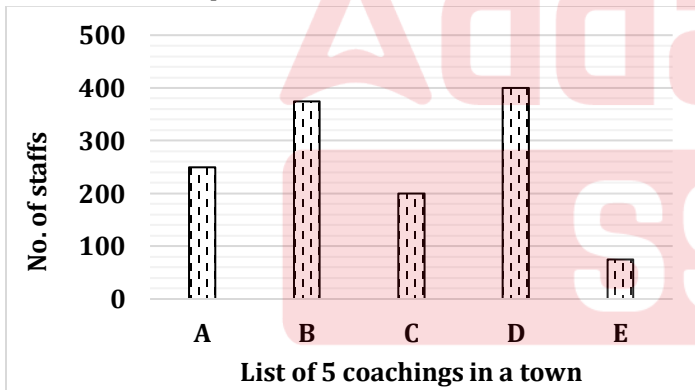
Q157. The average of number of staffs of A, B, C, D and E is:
(a) 260
(b) 265
(c) 270
(d) 275

Q158. The sum of numbers of staffs of D and E is _____% less than the sum of the number of staffs of A and B?
(a) 16
(b) 24
(c) 12
(d) 18

Q159. The sum of the number of staffs of A and E is _____% less than D
(a) 18.75%
(b) 14.33%
(c) 27.66%
(d) 33.33%

Q160. A man wanted to sell on article with 25% profit but he actually sold at 20% loss for Rs 480. At what price he wanted to sell it to earn the profit?
(a) Rs 720
(b) Rs 840
(c) Rs 600
(d) Rs 750

Q161. Two articles are sold at the same price 1st was sold at profit of 37.5% and 2nd was sold at a loss of 8.33%. If there is total profit of Rs. 8634, then find their selling price (individual)?
(a) Rs. 43170
(b) Rs. 86340
(c) Rs. 47487
(d) Rs. 34537

Q162. For a New Year party, 30 whisky bottles are required. How many whisky bottles will be required to the same party if the quantity of whisky in each bottle is reduced to $\frac{7}{10}$ th of its present?
(a) 10.07
(b) 35
(c) 62.5
(d) 42.85

Q163. The length of the platform, which a train 180 m long and travelling at 51 km/hr can cross in 36 seconds is:
(a) 330 m
(b) 225 m
(c) 250 m
(d) 300 m

Q164. Three times of second of three consecutive odd numbers is 9 more than twice of the third. The first number is:
(a) 10
(b) 11
(c) 14
(d) 13

Q165. A river 4 m deep and 50 m wide in flowing at the rate of 6 km/hr. How much water (in litres) will fall into the sea in a minute?
(a) 3×10^6 litres
(b) 2×10^7 litres
(c) 2×10^6 litres
(d) 3×10^7 litres

Q166. The average marks in English of two sections A and B of class X in the annual examination is 75. The average marks of section A is 78.5 and that of section B is 71. The ratio of the number of students of sections A and B is:
(a) 8 : 7
(b) 7 : 5
(c) 7 : 8
(d) 8 : 5

Q167. In a factory 60% of the workers are above 30 years and of these 75% are males and the rest are females. If there are 1350 male workers above 30 years, the total numbers of workers in the factory are:
(a) 3000
(b) 1800
(c) 2200
(d) 1500

Q168. A motor boat, whose speed is 20 km/hr in still water goes 30km downstream and comes back in a total of 4 hours. The speed of stream (in km/hr) is:
(a) 12
(b) 10
(c) 8
(d) 9.5

Q169. 45% of 750 – 25% of 480 + ? = 480.50
(a) 273.25
(b) 273
(c) 263
(d) 263.45

Q170. The average of 40 numbers is 27. If each number is divided by 3, then the average of new set of numbers is:
(a) 9
(b) 3
(c) 27
(d) 6

Q171. A started a business by investing Rs 25,000. After 6 months B joined her by investing Rs 50,000. After its 6 months C joined with Rs 75,000. What is the ratio of profit shared after 2 years among A, B and C?
(a) 2 : 5 : 7
(b) 4 : 3 : 7
(c) 5 : 2 : 6
(d) 2 : 3 : 3

Q172. 2 men and 3 boys can do a piece of work in 14 days while 3 men and 2 boys can do the same work in 12 days. In how many days can 2 men and 1 boy do the work?
(a) $17\frac{1}{11}$ days
(b) $19\frac{1}{11}$ days
(c) $17\frac{2}{11}$ days
(d) $19\frac{2}{11}$ days

Q173. A sum of Rs 26,720 was borrowed at $8\frac{3}{4}$ % per annum compound interest and paid back in two years in two equal annual installments. What was the amount of each installment?
(a) Rs 15,138
(b) Rs 7569
(c) Rs 14,236
(d) Rs 8651

Q174. Two pipes P and Q can fill a cistern in 12 and 15 minutes respectively. Both are opened together, but at the end of 4 minutes, P is turned off. In how many more minutes will Q fill the cistern?
(a) 4 min
(b) 5 min
(c) 6 min
(d) 8 min

Q175. The value of $[(0.83)^2 + (0.17)^2 + (0.83 \times (0.34)]^{2017}$
(a) 0
(b) 1
(c) -1
(d) 2017

Q176. A tank is filled by pipe A in 32 minutes and by pipe B in 36 minutes when it is full, it can be emptied by a pipe C in 20 minutes. If all the three pipes are opened simultaneously, half of the tank will be filled in:
(a) $51\frac{3}{12}$ hrs
(b) $53\frac{3}{5}$ hrs
(c) $55\frac{5}{13}$ hrs
(d) $56\frac{4}{13}$ hrs

Q177. A dishonest sweet seller sells sweets at 10% profit but uses 800 grams instead of 1 kg. Find his profit percentage?

(a) $54\frac{2}{2}\%$

(b) $37\frac{1}{2}\%$

(c) 49%

(d) 50%

Direction (178-180): The following line-graph is the percent profit earned by two companies X and Y during the period 1996 – 2001. Study the line graph and answer the questions that are based on it.

Percentage profit earned by two companies X and Y over the given years.

Profit% = $\frac{Income - Expenditure}{Expenditure} \times 100$
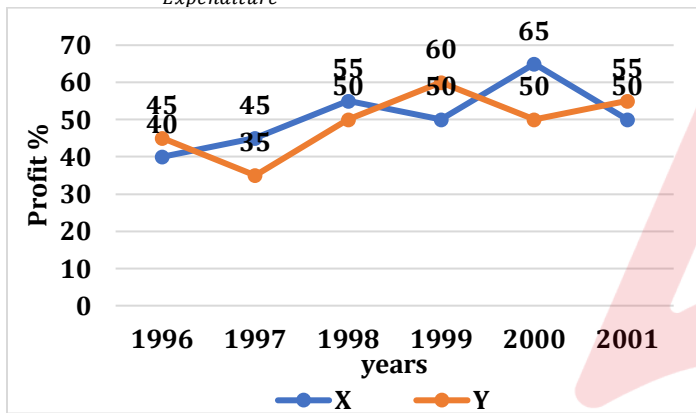
Q178. If the expenditure of company Y in 1997 was Rs 220 crores? What was its income in 1997?

(a) Rs 312 cr

(b) Rs 297 cr

(c) Rs 203 cr

(d) Rs 275 cr

Q179. If the incomes of two companies were equal in 1999. Then what was the ratio of expenditure of company X to that of company Y in 1999?

(a) 6 : 5

(b) 5 : 6

(c) 11 : 6

(d) 16 : 15

Q180. The expenditure of company X in the year 1998 was Rs 200 crore and the income of company X in 1998 was the same as its expenditure in 2001. The income of company X in 2001 was:

(a) Rs 465 cr

(b) Rs 385 cr

(c) Rs 335 cr

(d) Rs 295 cr

Q181. If $\frac{2}{3}$ of A = 50% of B = 0.8 of C, then A : B : C is:

(a) 2 : 3 : 3

(b) 3 : 4 : 5

(c) 6 : 8 : 5

(d) 9 : 8 : 10

Q182. The average mathematics marks of two sections A and B of class IX in the annual examination is 64. The average marks of section A is 66.5 and that of section B is 60. The ratio of the number of students of section A and B is:

(a) 8 : 5

(b) 8 : 7

(c) 7 : 8

(d) 8 : 9

Q183. The largest sphere is carved out of a cube of side 14 cm, the volume of the sphere (in cm^3) will be.

(a) 1262.11

(b) 1437.33

(c) 1156.14

(d) 1833.43

Q184. The areas of three consecutive faces of a cuboid are 16 cm^2, then the volume (in cm^3) of the cuboid is:

(a) 80

(b) 64

(c) 36

(d) 96

Q185. If 40% of A's income is equal to 75% of B's income, then B's income is equal to x% of A's income. The value of x is:

(a) $\frac{170}{3}$

(b) $\frac{160}{3}$

(c) $\frac{140}{3}$

(d) $\frac{130}{3}$

Q186. Two numbers are in the ratio 2 : 5. If 20% of the smaller number added to 20, is equal to the sum of 10% of the larger number and 15 then the larger number is:

(a) 100

(b) 200

(c) 250

(d) 300

Q187. A man rides at the rate of 18 km/h but stops for 8 mins to change bikes at the end of every 7 km. The time that he will take to cover a distance of 90 km is:

(a) 6 h 12 min

(b) 6 h 18 min

(c) 6 h 36 min

(d) 6 h 42 min

Q188. A train passes two persons walking in the same direction at a speed of 3 km/h and 5 km/h respectively in 12 seconds and 15 seconds respectively. The speed of the train is

(a) 25 km/h

(b) 15 km/h

(c) 18 km/h

(d) 13 km/h

Q189. The compound interest on a certain sum of money at 5% per annum for 2 years is Rs 287. The simple interest on the same sum for 3 years at 6% per annum is:
(a) Rs 526
(b) Rs 456
(c) Rs 432
(d) Rs 504

Q190. The percentage of loss when an article is sold at Rs 60 is the same as that of the profit when it is sold at Rs 80. The above-mentioned percentage of profit or loss on the article is:
(a) $12\frac{2}{7}$
(b) $14\frac{5}{7}$
(c) $14\frac{2}{7}$
(d) $12\frac{5}{7}$

Q191. The ratio of spirit and water in two mixtures of 40 litres and 72 litres is 3 : 7 and 7 : 5 respectively. Both the mixtures are mixed together. Now, the ratio of the spirit and water in the mixture is
(a) 21 : 19
(b) 27 : 31
(c) 21 : 16
(d) 27 : 29

Q192. Out of three pipes the first two can fill an empty tank in 9 and 18 hours, respectively while the third can drain the filled tank in 15 hrs. If all the three pipes are opened when the tank is empty, after how many hours will the tank be full?
(a) 12
(b) 11
(c) 10
(d) 13

Q193. Rs 'x' is invested at 8% simple interest per annum for 5 years yields the same interest as that on Rs 'y' invested at 7.5% simple interest per annum for 6 years. Find x : y.
(a) 16 : 15
(b) 9 : 8
(c) 5 : 6
(d) 40 : 45

Q194. A defective piece of article which costs Rs 1200 is being sold at a loss at 15%. If the price is further reduced by 5%, find the SP.
(a) Rs 960
(b) Rs 1000
(c) RS 990
(d) Rs 969

Q195. If Rs 3000 is invested at the rate of 20% per annum, compounded half yearly, then the amount after 18 months will be :
(a) Rs 3200
(b) Rs 3500
(c) Rs 3560
(d) Rs 3993

Q196. The HCF of two numbers is 12 and their LCM is 72. If one of the two number is 24 then the second number is:
(a) 36
(b) 60
(c) 72
(d) 48

Q197. -70 + 28 ÷ (7 – 3) = ?
(a) -10.5
(b) -9
(c) -69
(d) -63

Q198. The given pie chart represents the annual yield of certain crops, in tons.
If the yield of sugar is 6000 tons, then the total production is:
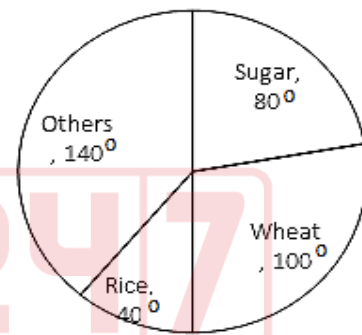
(a) 27000 tons
(b) 24000 tons
(c) 25000 tons
(d) 30000 tons

Q199. Rohan and Rohit can do a work together in 10 days. Rohan can do the same work in 15 days. Find the time taken by Rohit to do the same work?
(a) 25 days
(b) 35 days
(c) 30 days
(d) 32 days

Q200. The party that won the least number of seats is:

Party	Number of Seats won			
	South	East	West	North
A	40	37	35	27
B	6	26	76	86
C	83	71	4	21
D	1	7	3	11

(a) D
(b) A
(c) B
(d) D

Reasoning Ability

Q201. In the following question select the related word from the given alternative.

INDIA : HOCKEY : : U.K. : ?
(a) Sumo
(b) Baseball
(c) Polo
(d) Cricket

Q202. Find out the next term in the following series.

17, 51, 50, 150, 149, ?
(a) 449
(b) 447
(c) 443
(d) 424

Q203. Find out next letters in the following series.

EV, IR, MN, QJ, ?
(a) GT
(b) TH
(c) UF
(d) HT

Q204. In a certain language 'CLASSMATE' is coded as 31211919131205 then How is 'NOTEBOOK' coded in that same language?
(a) 141252461
(b) 14152052151511
(c) 1312722257
(d) None

Q205. Select the correct set which will fit in the given equation.

7*5*5*4*10
(a) + ÷ – =
(b) × – = ×
(c) × + = ×
(d) + × ÷ =

Q206. Pointing to a lady, Ritu said, "She is the mother of the father of my mother's son". How is the lady related to Ritu?
(a) Mother
(b) Aunt
(c) Grand mother
(d) Sister

Q207. Which number in the given Venn diagrams indicate among Vivo, Oppo and also Quadcore processor?
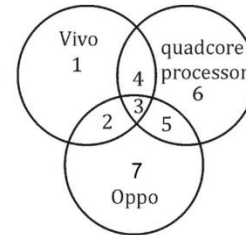
(a) 4
(b) 2
(c) 3
(d) 5

Q208. In the following question select the odd number pair from the given alternative
(a) 132 – 11
(b) 306 – 17
(c) 551 – 23
(d) 272 – 16

Q209. On the New Year evening, Raam wanted to go to his friend's house. He started walking towards North direction, After 120 meter, he takes right turn and walk 140 meter. Then he turned and started walking in south-east direction. After 130 meter he reached his friend's house. Find direct distance between both places.
(a) 390 meters
(b) 190 meters
(c) 400 meters
(d) 250 meters

Q210. From the given word select the word which cannot be formed using the letters of the given word?

DEMOGRAPHIC
(a) READ
(b) EMOGI
(c) PHONIC
(d) GRAPH

Q211. Select the odd word from the given alternatives?
(a) Daman
(b) Kavaratti
(c) Port Blair
(d) Andaman and Nicobar

Q212. Consider the given statements to be true and decide which of the given conclusion can definitely be drawn from the given statements.
Statements 1. All P are Q
2. All R are P
Conclusions 1. All P are R
2. All R are Q
(a) Only conclusion I follows
(b) Only conclusion II follows
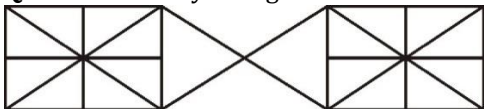(c) Neither I nor II follows
(d) Both conclusions follow

Q213. 2 years ago, ages of Ram and Priya are in the ratio 4 : 5. After 2 years that ratio changes to 8 : 9. Present age of Ram is:
(a) 8 years
(b) 4 years
(c) 7 years
(d) 6 years

Q214. Select the correct mirror image of the problem from the given Answer figure.

(a)

(b)

(c)

(d)
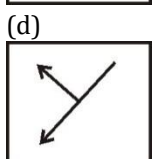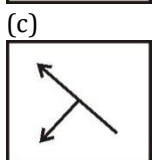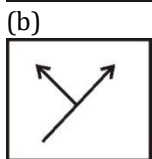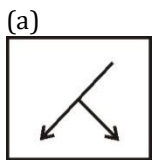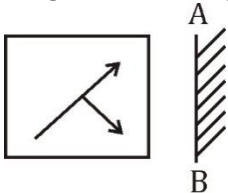
Q215. How many triangles are there in the following figure?

(a) 30
(b) 33
(c) 34
(d) 32

Q216. In a class Kishan's rank is 15th from the top and 12th from the bottom. How many students are there in that class?
(a) 22
(b) 25
(c) 27
(d) 26

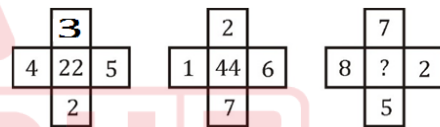**Q217.** In the given sequence which term is fourth to the right of the seventh term from the right end?
1@5BZPQ9μ#+7FEZ$
(a) F
(b) Z
(c) P
(d) E

Q218. Select the missing number from the given series.
12, 36, 80, 150, ?
(a) 252
(b) 243
(c) 236
(d) 256

Q219. In the following question, select the number which can be placed at the sign of the question mark (?) from the given alternative.

(a) 54
(b) 60
(c) 62
(d) 66

Q220. In the following question select the related word from the given alternative.
Sambhar Lake : Rajasthan : : Pulicat Lake : ?
(a) Andhra Pradesh
(b) Telangana
(c) Odisha
(d) Kerela

Directions (221-222): Select the related word / letter / number from the given alternatives.

Q221. Electron : J.J. Thomson : : Proton : ?
(a) James Chadwick
(b) Nil Bohar
(c) John Dalton
(d) RutherFord

Q222. EFG : VUT : : JIH : ?
(a) SUW
(b) QRS
(c) QSU
(d) HFD

Directions (223–224): Select the odd word/letter/number from the given alternatives.

Q223.
(a) Silver
(b) Gold
(c) Copper
(d) Silicon

Q224.
(a) CEG
(b) LNP
(c) JLO
(d) RTV

Q225. Select the missing number from the given series.
−8.25, −6.75, −5.25, −3.75, ?
(a) 2.25
(b) −2.25
(c) 2.5
(d) −2.5

Q226. Find out next letter in the following series.
EFG, JKL, OPQ, ?
(a) TVX
(b) TUX
(c) TUV
(d) TVW

Q227. In a certain language 'RAAM' is coded as 33 and 'RITIKA' is coded as '68' then how 'PIHU' be coded in the same language?
(a) 169
(b) 54
(c) 58
(d) 48

Q228. Select the correct set which will fit in the given question.
18 * 6 * 9 * 27
(a) ×, ÷ and =
(b) ÷, × and =
(c) ×, + and =
(d) +, − and =

Q229. Pointing towards a girl, a man said, "She is daughter of only son of my father's wife". How that girl is related to man?
(a) Aunt
(b) Daughter
(c) Mothers
(d) Sister

Q230. In the following figure, square represents teachers, triangle represents Swimmers, Circle represents Nurses and rectangle represents women. Which set of letters represents teachers who are either swimmers or Nurses?
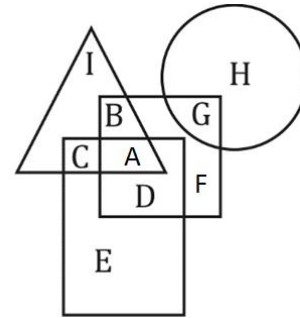
(a) D, F
(b) A, B, D, F, G
(c) A, B, G
(d) I, C, H

Q231. Priya cycles 8 km North, then turns east and cycles 3 km, then turns South and cycles 8 km, then turns to her right and cycles 6 km. Where is she now with reference to her starting position?
(a) 3 km East
(b) 3 km West
(c) 10 km West
(d) 10 km East

Q232. From the given word Select the word which cannot be formed using the letter of the given word?
HUMBLING
(a) NUMB
(b) BLUE
(c) GLUM
(d) LUNG

Q233. Consider the given Statements to be true and decide which of the given conclusions can definitely be drawn from the given statements:
Statements 1 : No Villages are Cities
Statements 2 : All Cities are Capitals
Conclusion I : Some Capitals are Villages
Conclusion II : Some Capitals are Cities
(a) Only Conclusion I follows
(b) Only Conclusion II follows
(c) Both I and II follows
(d) Neither I nor II follows

Q234. A and B went to bank to exchange their currencies during demonetization. If A is at 6th Position from top and B is at 12th from bottom. The number of persons in the line is 98, then How much person are between A & B ?
(a) 79
(b) 81
(c) 80
(d) 82

Q235. In the following question, Select the numbers which can be Placed at the sign of Question mark (?) from the given alternative.

3　　5　　2　　7　　1　　4
　54　　　　69　　　　?
6　　8　9　　3　5　　　2
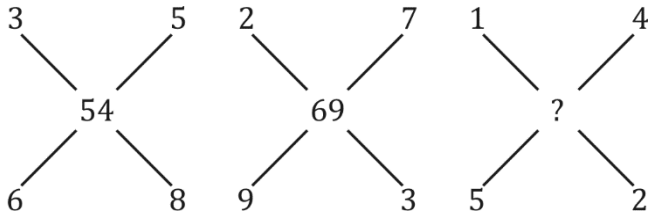
(a) 32
(b) 22
(c) 20
(d) 14

Q236. Arrange the given words in the sequence in which they occur in dictionary.
1. Scripture
2. Scrutiny
3. Script
4. Scramble
5. Science
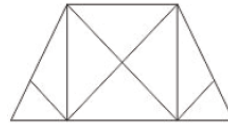(a) 5 4 3 2 1
(b) 5 4 3 1 2
(c) 4 5 3 1 2
(d) 3 5 4 1 2

Q237. Which answer figure will complete the pattern in the question figure?

(a)

(b)

(c)

(d)

Direction (238): How many triangles are there in the given figure?

Q238.

(a) 14
(b) 16
(c) 18
(d) 20

Direction (239); If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

Q239.

(a)

(b)

(c)

(d)

Direction (240); In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

Q240.

8	24
216	72

12	36
324	108

14	42
?	126

(a) 178
(b) 252
(c) 378
(d) 630

Directions (241-242): Select the related word / letters / numbers from the given alternatives.

Q241. School : Teacher : : Bank : ?
(a) Manager
(b) Banker
(c) Peon
(d) Cashier

Q242. Find the odd word pair from the given alternatives.
(a) JIO
(b) BSNL
(c) MTNL
(d) MOTOROLA

Directions (243-244): A series is given with one term missing choose the correct alternative from the given ones that will complete the series.

Q243. OPC, QOF, SNI, UML, ?
(a) WLO
(b) ULP
(c) WOL
(d) UPL

Q244. 6, 14, 30, 62, 126, ?
(a) 182
(b) 254
(c) 244
(d) 264

Q245. In a certain code LIVING is written as MKYMSM, then how is SERIES written in that code?
(a) TGUMJY
(b) UTGJMZ
(c) TUGJMZ
(d) TGUNKT

Q246. On arranging Atomic age, Metallic age, Stone age and Alloy age in a meaningful order (starting from the earliest) which would appear in the 3rd position?
(a) Atomic age
(b) Metallic age
(c) Stone age
(d) Alloy age

Q247. Which one of the following diagrams best depicts the relationship among?
Plant, Animal, Rose

(a)

(b)

(c)

(d)

Direction (248): One/two statements is/are given each followed by two assumptions I and II. You have to consider the statement to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given assumptions, if any, follows from the given statements.

Q248. Statement : "There is very heavy traffic on the road between 5 – 7 p.m. We need to have a flyover in this area." A planning engineer said in a meeting.
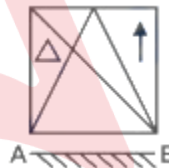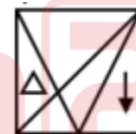Assumption :
I – Heavy traffic should be regulated.
II. Previous planning engineer did not do much about heavy traffic.
(a) Only assumption I is implicit
(b) Only assumption II is implicit
(c) Both I & II are implicit
(d) Neither I nor II implicit

Q249. If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

(a)

(b)

(c)

(d)

Q250. Pankaj is taller than Vinod, who is shorter than Pramod. Usha is taller than Priyanka but shorter than Vinod. Pramod is shorter than Pankaj. Who is the tallest?
(a) Priyanka
(b) Pramod
(c) Vinod
(d) Pankaj

Q251. From the given answer figure, select the one in which the question figure is hidden/embedded.
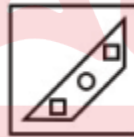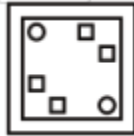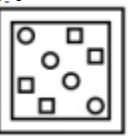

(a)

(b)

(c)

(d)

Q252. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.
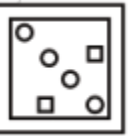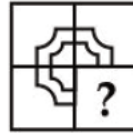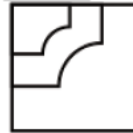

(a)

(b)

(c)

(d)

Q253. Which answer figure will complete the pattern in the question figure?

(a)

(b)

(c)

(d)
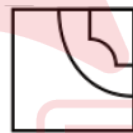
Q254. Advik's birthday is on Monday 19th June. On what day of the week will be Nishith's Birthday in the same year if Nishith was born on 17th November?
(a) Saturday
(b) Wednesday
(c) Friday
(d) Sunday

Q255. If UNCOVER is coded as FMXLEVI, then how will TIP be coded as?
(a) LTV
(b) NQV
(c) KHQ
(d) GRK

Q256. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?
50 + 5 - 700 x 28 = ?
(a) 94
(b) 100
(c) 90
(d) 275

Q257. From a point, Lokesh starts walking towards south and after walking 30 metres he turns to his right and walks 20 metres, then he turns right again and walks 30 metres. He finally turns to his left and walk 40 metres. In which direction is he with reference to the starting point?
(a) North-West
(b) East
(c) West
(d) South

Q258. Pointing to a man in a photograph, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to the man in the photograph?
(a) Mother
(b) Aunt
(c) Sister
(d) Grand mother

Q259. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it?
a_b_c c_a_b_c
(a) ababc
(b) aacbb
(c) abcab
(d) abbcc

Q260. Pritam cycles 6 km towards the south direction, he turns right to move 8 km, and again turns towards the northeast to move 10 km. from there is he moves 15 km on the left, how far is he from his original position?
(a) 15 km
(b) 10 km
(c) 55 km
(d) 65 km

Direction (261–262): Select the related word / letters / number from the given alternative.

Q261. CIRCLE : CLECIR : : VERMIN: ?
(a) MNIVER
(b) MINERY
(c) MINVRE
(d) MINVER

Q262. 989 : 26 : : 868 : ?
(a) 32
(b) 22
(c) 10
(d) 21

Q263. Shubham, Sonam, Ishani, Neha and Nimishna work in the same company
Nimisha joined company before Ishant but after Sonam, Shubham started working in the company before Sonam but after Neha. who is the senior-most among them?
(a) Shubham
(b) Neha
(c) Nimisha
(d) Sonam

Direction (264-266): A series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

Q264. ?, LKJ, DCB, UTS
(a) SRQ
(b) SPQ
(c) SPO
(d) SRT

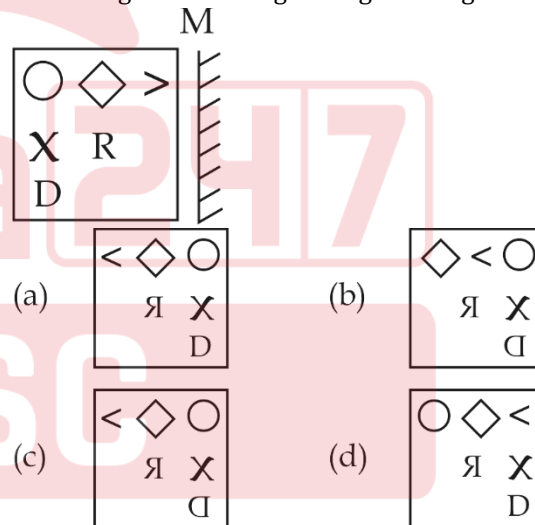**Q265.** WX, AB, FG.
(a) LI
(b) LO
(c) LM
(d) LN

Q266. 35, 39, 34, 38, ?
(a) 39
(b) 33
(c) 32
(d) 31

Q267. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

Q268. Identify the diagram that best represents the relationship among the given classes
Earth, Plants, animal

Q269. If 3 is added to the first digit and 1 is added to the last digit of each of the numbers then which of the following numbers will be the second highest number?
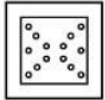(a) 964
(b) 457
(c) 645
(d) 718

Q270. If 'J' denotes multiplied 'B' denotes subtracted from 'm' denotes added to and 'L' denotes divided by , then
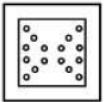72 L 24 J 3 B 7 M2 =
(a) 4
(b) 5
(c) 8
(d) 10

Q271. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.
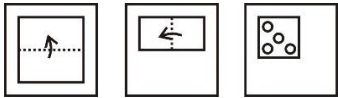
(a)

(b)

(c)
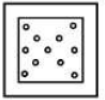
(d)
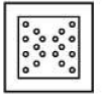
Q272. The following equation is incorrect. Which two signs should be interchanged to correct the equation?
12 - 6 x 5 + 20 ÷ 4 = 31
(a) + and ÷
(b) + and x
(c) - and +
(d) ÷ and x

Q273. Two trucks start from the same warehouse. Truck A goes 6 km North, then turns to its right and goes 4 km. In the meanwhile, truck B goes 9 km East, then turns North and goes 6 km, then turns to its right and goes 4 km. Where is truck B with respect to truck A?
(a) 17 km East
(b) 9 km West
(c) 17 km West
(d) 9 km East

Q274. Which are set of letters when sequentially placed at the gaps in the given letters' series shall complete it.
ab__ __ baa__ __ab__
(a) babbb
(b) aabaa
(c) aabba
(d) baaba

Q275. In a certain code DATA is written as FDXF, then how is CODE written in that code?
(a) ERHJ
(b) ERIJ
(c) DRIK
(d) EQFG

Q276. On arranging Treta, Kali, Satya and Dvapara in a meaningful order (starting from the earliest) which would appear in the 3rd position
(a) Treta
(b) Kali
(c) Satya
(d) Dvapara

Q277. In the following question, select the missing number from the given series.

14	98	14
11	66	12
15	?	16

(a) 120
(b) 125
(c) 96
(d) 135

Q278. Which answer figure will complete the pattern in the question figure?

(a)
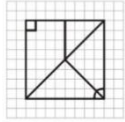
(b)
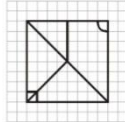
(c)
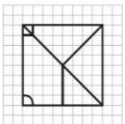
(d)
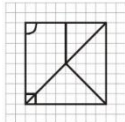
Q279. What is the angle between the two hands of clock when the time by the clock is 11: 30 PM ?
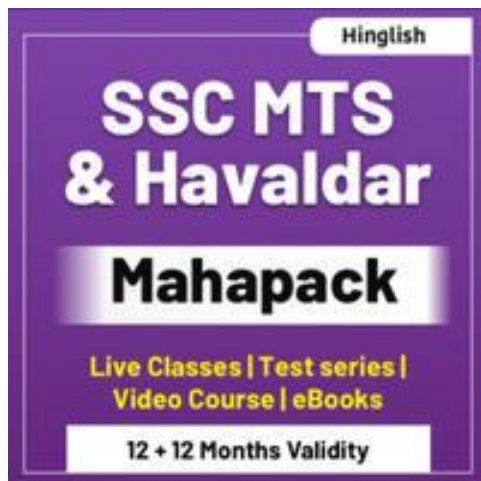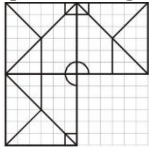(a) 160°
(b) 165°
(c) 163°
(d) 170°

Q280. Consider the given statements to be true and decide which of the given conclusion can definitely be drawn from the given statements.
Statement:
All bags are tools
Some tools are coins
Some coins are dolls
Conclusions
I. All bags being coins is a possibility
II. At least some dolls are tools
(a) Only assumption I is implicit
(b) Only assumption II is implicit
(c) Both I & II are implicit
(d) Neither I nor II implicit

Directions (281-283): Select the related word / letters / numbers from the given alternatives.

Q281. Safe : Secure : : Protect : ?
(a) Sure
(b) Lock
(c) Guard
(d) Conserve

Q282. 28 : 4 : : 91 : ?
(a) 13
(b) 17
(c) 21
(d) 3

Q283. Find the odd word pair from the given alternatives.
(a) 7 - 4
(b) 13 - 10
(c) 21 - 18
(d) 27 - 23

Directions (84-86): A series is given with one term missing choose the correct alternative from the given ones that will complete the series.

Q284. JI5, NK10, RM15, VO20, ?
(a) ZQ85
(b) ZR25
(c) AQ30
(d) Y R 25

Q285. aAbb, bBcc, cCdd, dDee, eEff, ?
(a) fFhh
(b) fFgg
(c) gHii
(d) fFhi

Q286. 25, 35, 50, 70, ?
(a) 95
(b) 85
(c) 90
(d) 100

Q287. Which one of the following diagrams best depicts the relationship among.
Male, Child, Husband

Q288. Consider the given statements to be true and decide which of the given conclusion can definitely be drawn from the given statements.
Statements
All cells are bins.
All bins are petals.
No petal is leaf.
All roots are leafs.

Conclusions
I. No Bin is leaf
II. All bins are cell
(a) Either I or II follows
(b) Both I and II follow
(c) Only I conclusion follows
(d) Only II conclusion follows

Q289. If PHONE is coded as NHP, then how will MOUSE be coded?
(a) SM
(b) MS
(c) SUM
(d) MUS

Q290. Amit said 'This girl is the wife of the grandson of my mother. What is Amit to the girl?
(a) Father
(b) Husband
(c) Grand father
(d) Father in law

Q291. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. What is the answer to the following question?
7 + 14 × 2 ÷ 48 – 4 = ?
(a) 5
(b) -40
(c) 16
(d) 9

Q292. How many '7' are followed by even number and preceded by an odd number?
1 7 4 3 7 1 4 8 3 2 8 7 8 4 7 5 6 8 7 7 4 1 8 6
(a) 2
(b) 0
(c) 1
(d) 3

Q293. A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

(a)

(b)

(c)

(d)
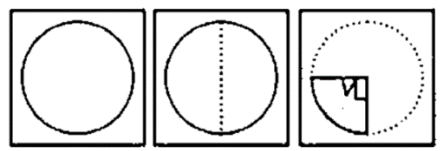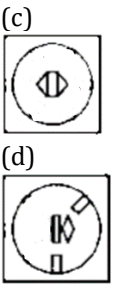
Q294. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?

(a)

(b)

(c)

(d)
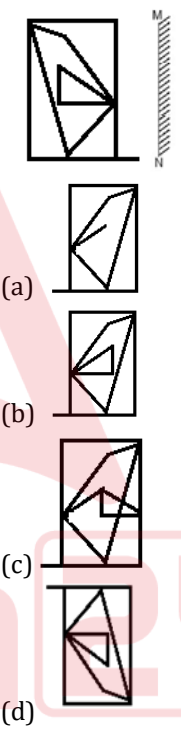
Q295. In the following figure, rectangle represents Lawyers, circle represents Bakers, triangle represents Singers and square represents Golfers. Which set of letters represents Golfers who are not Bakers ?
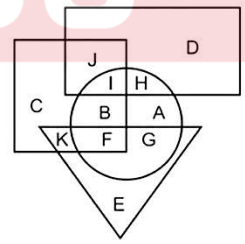
(a) IBF
(b) HAG
(c) CJK
(d) KFG

Q296. In a row, Mohini is at 23rd position from left and 37th position from right. How many girls are there in the row?
(a) 60
(b) 61
(c) 59
(d) 58

Q297. If '+' means divided by, '÷ ' means subtract from, '–' means multiply by, '×' means addition, then
80 + 20 ÷ 5 – 12 × 92 ?
(a) 22
(b) 28
(c) 36
(d) 35

Q298. Aradhya travels 500m towards North and turns left, then she travels 250m. She again turns left and travels another 250 m. Now in which direction is she with respect to her starting position?
(a) South-West
(b) South-East
(c) North-East
(d) North-West

Q299. Select the missing number based on the given related pair to numbers
27 : 65 : : 64 : ?
(a) 125
(b) 126
(c) 127
(d) 124

Q300. Select the appropriate combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
__vww___uuv__wvuu__w
(a) uvwv
(b) uwvu
(c) vwuv
(d) uvwu

General Awareness

Q301. With which of the following was Satyajit Ray associated?
(a) Commercial art
(b) Classical music
(c) Classical dance
(d) Direction of films

Q302. Pablo Picasso, the famous painter was
(a) French
(b) Italian
(c) Flemish
(d) Spanish

Q303. Who among the following was the first Speaker of the Lok Sabha?
(a) M. A. Ayyangar
(b) G. V. Mavalankar
(c) Sardar Hukam Singh
(d) N. Sanjiva Reddy

Q304. Which gas is released when water is added to bleaching powder?
(a) Carbon dioxide
(b) Oxygen
(c) Chlorine
(d) Hydrogen

Q305. The SI unit of resistance is:
(a) Joule
(b) Coulomb
(c) Ohm
(d) Newton

Q306. Who has been honoured with the Maharashtra Bhushan award for the year 2022?
(a) Appasaheb Dharmadhikari
(b) Hari Balkrishnan
(c) Sajjan Jindal
(d) V Madhusoodanan Nair

Q307. A cyclone recently strikes the coast of the nation, and residents of Auckland, the largest city in New Zealand.
(a) Gabcule
(b) Granate
(c) Gabrule
(d) Gabrielle

Q308. Article 370 granted Jammu and Kashmir the authority to internal administrative autonomy while it was governed by India as a state from 1952. In which year was Article 370 removed?
(a) 2017
(b) 2019
(c) 2018
(d) 2020

Q309. Which state topped the medal tally of the fifth edition of the Khelo India Youth Games?
(a) Haryana
(b) Maharashtra
(c) Madhya Pradesh
(d) Uttar Pradesh

Q310. Which soil is highly rich in 'Potash and Lime'?
(a) Red Soil
(b) Alkaline Soil
(c) Peaty Soil
(d) Alluvial soil

Q311. Bhangar and Khadar are subtypes of which soil in India?
(a) Black Soil
(b) Yellow Soil
(c) Laterite Soil
(d) Alluvial Soil

Q312. When was the first Union Budget of India presented?
(a) 1947
(b) 1948
(c) 1949
(d) 1950

Q313. What is the current year's economic growth is estimated at the Union budget 2023?
(a) 4%
(b) 8%
(c) 7%
(d) 6%

Q314. The Swadeshi Boycott Movement is related to -
(a) Partition of Bengal in 1947
(b) Partition of Bengal in 1905
(c) Non-cooperation movement in 1921
(d) Partition of Punjab in 1947

Q315. The Mutiny of 1857 was described as the First Indian War of Independence by -
(a) Bal Gangadhar Tilak
(b) Subhash Chandra Bose
(c) Bhagat Singh
(d) V. D. Savarkar

Q316. 'Do or Die' is associated with which of the movements in India's freedom struggle -
(a) Dandi March
(b) Non-Cooperation Movement
(c) Khilafat Movement
(d) Quit India Movement

Q317. When were the Fundamental Duties of the Indian citizens incorporated in the Constitution?
(a) 1952
(b) 1976
(c) 1979
(d) 1981

Q318. By which bill the government propose the collection of revenue for a year?
(a)Supplementary bill
(b)Economic bill
(c)Finance bill
(d)None of the above

Q319. What is the minimum age laid down for a candidate to seek election to the Lok Sabha
(a)21
(b)25
(c)22
(d)30

Q320. Who invented the world's first true radar and demonstrated its use?
(a) Fred Morrison
(b) A. H. Taylor and Leo C. Young
(c) Van Tassel
(d) W. K. Roentgen

Q321. Scurvy is caused due to the deficiency of -
(a) Vitamin-D
(b) Vitamin-K
(c) Vitamin-E
(d) Vitamin-C

Q322. Disorder in which the concentration of glucose in the blood is high -
(a) Hyperglycemia
(b) Glycosuria
(c) Glaucoma
(d) Uremia

Q323. In Vermiculture, the worm used is-
(a) Tapeworm
(b) Silkworm
(c) Threadworm
(d) Earthworm

Q324. 'The Substance and the Shadow' is the autobiography of _____.
(a) Guru Dutt
(b) Shammi Kapoor
(c) Dilip Kumar
(d) Dev Anand

Q325. Planned economic development in India began in _____ with the inception of the First Five-Year Plan.
(a) 1948
(b) 1951
(c) 1956
(d) 1958

Q326. 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

Q327. Ellora Ajanta International Festival 2023 is held in which state in India?
(a) Maharashtra
(b) Tamil Nadu
(c) Madhya Pradesh
(d) Odisha

Q328. Who among the following was thrice elected President of the Indian National Congress?
(a) Dadabhai Naoroji
(b) Surendranath Banerjee
(c) Gopal Krishna Gokhale
(d) Shankaran Nair

Q329. Identify the element that helps to trap light energy that is essential for photosynthesis.
(a) Cristae
(b) Amyloplasts
(c) Carotenoid
(d) Vacuoles

Q330. Which of the following novels is NOT written by Amitav Ghosh?
(a) The Circle of Reason
(b) A Suitable Boy
(c) Sea of Poppies
(d) The Shadow Lines

Q331. The equipment bolt is used in which sport?
(a) Swimming
(b) Mountaineering
(c) Cycling
(d) Motor sports

Q332. Padma Shri awardee Guru Amubi Singh was conferred the award for his significant contributions in which of the following dance forms?
(a) Kathak
(b) Manipuri
(c) Bharatanatyam
(d) Odissi

Q333. In which year did Finance Minister Nirmala Sitharaman replace the Budget briefcase with the traditional 'Bahi Khata' having the National Emblem?
(a) 2016
(b) 2017
(c) 2018
(d) 2019

Q334. The Centre has pegged the fiscal deficit _____ of GDP for FY24.
(a) 3.9 percent
(b) 4.3 percent
(c) 5.9 percent
(d) 6.6 percent

Q335. Former IAS officer BVR Subrahmanyam was appointed as the new Chief Executive Officer of _____.
(a) National Human Rights Commission
(b) Pradhan Mantri Jan Dhan Mantri
(c) Niti Aayog
(d) Atal Mission for Rejuvenation and Urban Transformation

Q336. Which film won the Best Film Award at the Dadasaheb Phalke Award 2023?
(a) Gangubai Khatiawadi
(b) The Kashmiri Files
(c) RRR
(d) Bhediya

Q337. Yaya Tso, known as birds' paradise for its beautiful lake located at an altitude of 4,820 metres, has been proposed as which state's/ union territory's first biodiversity heritage site (BHS)?
(a) Jammu & Kashmir
(b) Ladakh
(c) New Delhi
(d) Puducherry

Q338. Recently, the National Aeronautics and Space Administration (NASA) and the Indian Space Research Organisation (ISRO), jointly developed an Earth-observation satellite. What is the name of the satellite?
(a) ISAN
(b) NISAR
(c) NISAN
(d) ISAR

Q339. Under which operation, India is deploying a field hospital, supplies, and rescue personnel to the earthquake-stricken countries of Turkey and Syria?
(a) Operation Mitra
(b) Operation Yatra
(c) Operation Madad
(d) Operation Dost

Q340. The Center for Civil Liberties (CLL) of which of the following country was awarded the 2022 Nobel Peace Prize?
(a) Russia
(b) Belarus
(c) Ukraine
(d) Poland

Q341. Where is the headquarters of the International Union for Conservation of Nature?
(a) Gland, Switzerland
(b) Geneva, Switzerland
(c) Nairobi, Kenya
(d) The Hague, Netherlands

Q342. Which country will host the Women's 50-over World Cup in 2025?
(a) Bangladesh
(b) England
(c) Sri Lanka
(d) India

Q343. What is the name of the author of the book "Freedom at Midnight", who passed away recently?
(a) Dominique Lapierre
(b) Jane Austen
(c) Charles Dickens
(d) George Orwell

Q344. 'Goa Liberation Day' is celebrated on _____ to commemorate the state's liberation from Portuguese rule in 1961.
(a) December 15
(b) December 16
(c) December 17
(d) December 19

Q345. Which of the following countries' borders touches China?
(a) Uzbekistan
(b) Nepal
(c) Philippines
(d) South Korea

Q346. The power of an earthquake is expressed in terms of a magnitude on a scale called _____ scale.
(a) Schmitt
(b) Hutton
(c) Werner
(d) Richter

Q347. Which part of the Indian Constitution deals with the Amendment of the Constitution?
(a) Part XIV
(b) Part XVI
(c) Part XVIII
(d) Part XX

Q348. Which of the following pairs is not correctly matched?
(a) Munda Rebellion: 1899
(b) Vellore Mutiny: 1806
(c) Santhal Rebellion: 1855
(d) Chuar Rebellion: 1870

Q349. During the Maratha period, who was the officer responsible for the village administration?
(a) Havaladar
(b) Patil
(c) Chaudhary
(d) Sardeshmukh

Q350. Match the following items of column A with items of column B:

Column A	Column B
I. Carbon	1. In Making Electric Wire
II. Copper	2. As a fuel
III. Iron	3. In Wrapping Food items
IV. Aluminum	4. For Machinery

(a) I – 2, II – 1, III – 4, IV – 3
(b) I – 3, II – 1, III – 2, IV – 4
(c) I – 1, II – 2, III – 3, IV – 4
(d) I – 4, II – 3, III – 1, IV – 2

Q351. Who among the following was associated with Kakori Conspiracy Case?
(a) Abul Kalam Azad
(b) Shahnawaz Khan
(c) Khan Abdul Ghaffar Khan
(d) Asfaqulla

Q352. Who among the following wrote the book 'A nation in making'?
(a) Dinbandhu Mitra
(b) Bal Gangadhar Tilak
(c) Surendra Nath Banerjee
(d) Subhash Chandra Bose

Q353. The foundation of the modern education system in India was laid by—
(a) The Charter Act of 1813
(b) Macaulay's Minutes of 1835
(c) The Hunter Commission of 1882
(d) Wood's Despatch of 1854

Q354. The ozone layer protects us from harmful _____ rays of the sun.
(a) infrared
(b) cosmic
(c) gamma
(d) ultraviolet

Q355. The hills, namely Black, Blue, and Green Hills, are located in which country?
(a) Australia
(b) Germany
(c) USA
(d) Russia

Q356. The outermost range of the Himalayas is called_____.
(a) Himadri
(b) Shiwaliks
(c) Himachal
(d) Kumaon

Q357. The longest river in peninsular India is_____.
(a) Narmada
(b) Godavari
(c) Mahanadi
(d) Cauvery

Q358. The atomic power station in Rajasthan is situated at:
(a) Pokhran
(b) Suratgarh
(c) Rawatbhata
(d) Chittorgarh

Q359. Which type of epithelial tissue forms the lining of kidney tubules and ducts of salivary glands, where it provides mechanical support?
(a) Simple squamous epithelial
(b) Stratified squamous epithelial
(c) Ciliated columnar epithelial
(d) Cuboidal epithelial

Q360. The cell walls of many organisms of the Fungi kingdom are made of a tough complex sugar called _____.
(a) Pectin
(b) Suberin
(c) Cellulose
(d) Chitin

Q361. Union Cabinet recently approved the naming of Greenfield Airport at Mopa in Goa after whom?
(a) Atal Bihari Bajpayee
(b) Narendra Modi
(c) Pramod Sawant
(d) Manohar Parrikar

Q362. According to the latest Henley Passport Index, Japan has retained its position as the most favourable passport in the world, allowing visa-free entry to _____ global destinations.
(a) 189
(b) 190
(c) 193
(d) 192

Q363. Production of eight infrastructure sectors increased by 5.4 percent in November. Which among the following is not a part of the eight infrastructure sectors?
(a) Refinery Products
(b) Electricity
(c) Natural Gas
(d) Water

Q364. On which day was Gwalior Gaurav Diwas celebrated?
(a) 1st January
(b) 4th January
(c) 25th December
(d) 12th January

Q365. Gabon's President Ali Bongo appointed the country's first female Prime Minister. What is the capital of Gabon?
(a) N'Djamena
(b) Libreville
(c) Juba
(d) Kigali

Q366. India is hosting the G-20 summit in 2023. In which year G-20 was founded?
(a) 1997
(b) 1998
(c) 1999
(d) 1994

Q367. The finance minister proposed to reduce the highest surcharge rate from 37 per cent to _____ in the new tax regime.
(a) 15 per cent
(b) 25 per cent
(c) 35 per cent
(d) 45 per cent

Q368. Which one of the following is used as a moderator in the nuclear reactor?
(a) Thorium
(b) Graphite
(c) Radium
(d) Ordinary water

Q369. 15th August is the Independence Day of India and-
(a) South Korea
(b) Indonesia
(c) China
(d) Pakistan

Q370. Which one of the following literary works were not written by R.K. Narayan?
(a) Malgudi Days
(b) Swami and his friends
(c) Guide
(d) Gardner

Q371. Dronacharya Award is given in
(a) Literature
(b) Peace
(c) Sports Coaching
(d) Bravery

Q372. Which one of the following liquids is very good conductor of heat?
(a) Mercury
(b) Benzene
(c) Ether
(d) None of these

Q373. Constituent Assembly of India was founded in the year _____.
(a) 1940
(b) 1946
(c) 1947
(d) 1950

Q374. Which Fundamental Right in the Indian Constitution allows citizens to move the court if they believe that any of their Fundamental Rights have been violated by the State?
(a) Cultural and Educational Rights
(b) Right to Constitutional Remedies
(c) Right against Exploitation
(d) Right to Freedom of Religion

Q375. The term of a Governor is
(a) 4 Years
(b) 5 Years
(c) 6 Years
(d) 3 Years

Q376. Identify the wrong pair with respect to different motions and their examples.
(a) Periodic motion - Earth rotating on its axis
(b) Rectilinear motion - A stone thrown up in the air at an angle
(c) Rotational motion - Blades of a windmill
(d) Oscillatory motion - A boat tossing up and down a river

Q377. 'The Great Indian Novel', a satirical novel that recreates the Hindu epic Mahabharata within the context of the Indian National Movement, is written by which of the following writers who is a member of the Indian Parliament?

(a) Shashi Tharoor
(b) Arun Shourie
(c) Abhijeet Banerjee
(d) Amiya Kumar Bagchi

Q378. Identify the group of the periodic table to which cobalt belongs.
(a) Group 6
(b) Group 9
(c) Group 5
(d) Group 7

Q379. What is the name of the autobiography written by Mr. Abhinav Bindra, the Olympic medallist from India?
(a) An Autobiography
(b) A shot at History
(c) Courage and Conviction
(d) All from Memory

Q380. WINTER Olympics 2026 will be hosted by which of the following countries?
(a) Spain
(b) Brazil
(c) The US
(d) Italy

Q381. Salim Ali was an eminent
(a) Urdu poet
(b) Ornithologist
(c) Ghazal singer
(d) None of the above

Q382. The first woman to become a Chief Minister of any State in India was
(a) Nandini Satpathy
(b) Dr. J. Jayalalitha
(c) Sucheta Kripalani
(d) Mayawati

Q383. The first Defence Minister of India was
(a) K M Cariappa
(b) Gopalaswami Aiyangar
(c) Baldev Singh
(d) Sardar Patel

Q384. Expand the term IPCC:
(a) International Pollution Control Council
(b) International Panel of Climate Control
(c) Interim Panel of Climate Change
(d) Intergovernmental Panel on Climate Change

Q385. Where is the headquarters of the World Health Organization?
(a) Geneva, Switzerland
(b) London, UK
(c) New Delhi, India
(d) None of the above

Q386. The author of the book "Zest for Life" is-
(a) Mark Twain
(b) Emile Zola
(c) Virginia Wolf
(d) H.G. Walls

Q387. Minorities Rights Day is observed in India on-
(a) 1st December
(b) 18th December
(c) 23rd December
(d) 5th September

Q388. In which city, India's first AC Double Decker Electric Bus was introduced recently?
(a) Mumbai
(b) Hyderabad
(c) Bengaluru
(d) New Delhi

Q389. Who is the chairperson of the Insurance Regulatory Development Authority of India (IRDAI)?
(a) Subhash Chandra Khuntia
(b) Debashish Panda
(c) T.S. Vijayan
(d) J Hari Narayan

Q390. Ministry of Tribal Affairs will be organizing Aadi Mahotsav – National Tribal Festival at Major Dhyan Chand National Stadium. The stadium is located at-
(a) New Delhi
(b) Mumbai
(c) Bengaluru
(d) Hyderabad

Q391. Which Indian cricketer becomes the 6th batter to score 25,000 runs in international cricket?
(a) MS Dhoni
(b) Rohit Sharma
(c) Virat Kohli
(d) Hardik Pandiya

Q392. Salt March also known as Dandi March was initiated by _____.
(a) Raja Ram Mohan Roy
(b) Mahatma Gandhi
(c) Avantikabai Gokhale
(d) Kasturba Gandhi

Q393. The Chauri Chaura incident took place in?
(a) 1902
(b) 1912
(c) 1922
(d) 1932

Q394. In Indian Parliamentary System, Gram Panchayat is elected for how many years?
(a) Two years
(b) Three years
(c) Four years
(d) Five years

Q395. Under the universal adult franchise, people of what age have the right to vote, irrespective of their social or economic backgrounds?
(a) 16 years and above
(b) 17 years and above
(c) 18 years and above
(d) 21 years and above

Q396. The first biosphere reserve that was set up in India in 1986 is
(a) Nanda Devi
(b) Nilgiris
(c) Nokrek
(d) Manas

Q397. Green Revolution was started in
(a) 1960
(b) 1970
(c) 1980
(d) 1990

Q398. The famous Lagoon Lake of India is:
(a) Dal Lake
(b) Chilka Lake
(c) Bhimtal Lake
(d) Mansarover

Q399. If objects appear enlarged and inverted in a rear-view mirror, then which type of mirror is used?
(a) Concave
(b) Convex
(c) Cylindrical
(d) Plane

Q400. Soap bubble attains spherical shape due to _____.
(a) Inertia
(b) Pressure
(c) Surface tension
(d) Viscosity

Solutions

S1. Ans.(a)
Sol. The word is correctly spelt as "**Irreparable**" which means 'Something that cannot be repaired'.
Meanings of other words are as follows:
- **Honorary-** conferred as an honor, without the usual requirements or functions.
- **Fallacious-** based on a mistaken belief.
- **Garrison-** a group of troops stationed in a fortress or town to defend it.

S2. Ans.(c)
Sol. Dark horse: an unexpected winner.
Use in a sentence- Aniket went from being a dark horse to the front runner in class.

S3. Ans.(a)
Sol. Above board: honest and open.
Use in a sentence-He acted in a completely above-board manner.

S4. Ans.(a)
Sol. The correctly spelt word is "**Garrulous**" which means excessively talkative, especially on trivial matters.
Example of use in a sentence- A garrulous cab driver.

S5. Ans.(a)
Sol. Metaphysics: the branch of philosophy dealing with abstract concepts.
Meanings of other words are as follows:
- **Theology-** the study of the nature of God and religious belief.
- **Ichthyology-** study of fish.
- **Pantisocracy-** a form of utopian social organization in which all are equal in social position and responsibility.

S6. Ans.(c)
Sol. Espionage- practice of employing spies in war.
Meaning of other words are given below.
- **Juxtapose-** place or deal with close together for contrasting effect.
- **Research-** the systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions.
- **Intelligence-** the collection of information of military or political value.

S7. Ans.(b)
Sol. Baleful- threatening harm; menacing.
Synonyms-**noxious**, deadly, dire, hurtful.
Antonyms- favorable, good, helping, promising.
Meanings of other words are as follows:
- **Abandon**- cease to support or look after (someone), desert.
- **Expel-** officially make (someone) leave a school or other organization.
- **Chaos-** complete disorder and confusion.

S8. Ans.(d)
Sol. Livid- furiously angry.
Synonyms: angry, ballistic, choleric, enraged.
Antonyms: anger less, delighted, pleased, **poised**.
Meanings of other words are as follows:
- **Intricate-** a thing that is helpful or beneficial.
- **Huddle-** not friendly or forthcoming; cool and distant.
- **Putrid-** move out of or away from something and become visible.

S9. Ans.(c)
Sol. Torpid- mentally or physically inactive; lethargic.
Synonyms: idle, inactive, inert, dormant.
Antonyms: **energetic**, active, lively, moving.
Meanings of other words are as follows:
- **Quell-** subdue or silence (someone).
- **Reticent-** not revealing one's thoughts or feelings readily.
- **Proffer-** hold out or put forward (something) to someone for acceptance.

S10. Ans.(c)
Sol. Mint: a place where money is coined.
Meanings of other words are as follows:
- **Panacea-** a supposed cure for all diseases and problems.
- **Lexical-** relating to words or vocabulary.
- **Factory-** a building or group of buildings where goods are manufactured or assembled chiefly by machine.

S11. Ans.(a)
Sol. Effigy- an image or representation of a person.
Synonyms-statue, carving, model, **figure**.
Antonyms-antithesis, converse, real, original.
Meanings of other words are as follows:
- **Desire**- a strong feeling of wanting to have something or wishing for something to happen.
- **Jovial-** cheerful and friendly.
- **Deny-** state that one refuses to admit the truth or existence of.

S12. Ans.(c)
Sol. Zealot- a person who is fanatical and uncompromising in pursuit of their religious, political, or other ideals.
Synonyms: crusader, fanatic, partisan, militant.
Antonyms: **adversary,** opponent, non-militant.
Meanings of other words are as follows:
- **Polite-** having or showing behavior that is respectful and considerate of other people.
- **Narrow-** of small width in relation to length.
- **Ally-** a state formally cooperating with another for a military or other purpose.

S13. Ans.(c)
Sol. There is an error in part c of the sentence. Use phrasal verb 'come up' instead of 'come in' to correct the sentence.
- **Come up**- (of an issue, situation, or problem) occur or present itself, especially unexpectedly.
- **Come in-** join or become involved in an enterprise.

S14. Ans.(b)
Sol. There is an error in part b of the given sentence. Use of definite article 'the' before the name of a sport is wrong.
Since we already specified which game is being talked about, using definite article would make it erroneous.
For example- I love the football. (Wrong)
I Love football. (Right)

S15. Ans.(b)
Sol. Part b of the sentence contains an error.
'Has' instead of 'is' would be used to correct the sentence.
'Has' would be used because the sentence is in Present Perfect Tense.

S16. Ans.(b)
Sol. Use 'was' to fill in the blank.
Was- first and third-person singular past of be.
Past form of auxiliary verb has to be used because the main verb is in its past form.

S17. Ans.(b)
Sol. Use 'for' to fill in the blank.
For- to talk about a purpose or a reason for something.
On- to indicate touching and being supported by the top surface of (something), or moving to a position that is supported by something.
To- to indicate a goal or a direction of movement, as well as a place of arrival.
Of- indicates relationships between other words, such as belonging, things made of other things, things that contain other things, or a point of reckoning.
As per the meaning and uses of all the preposition 'for' is the most appropriate option to fill in the blank.

S18. Ans.(d)
Sol. The sentence given is grammatically and contextually correct so there is no improvement needed in the sentence.

S19. Ans.(b)
Sol. Use 'managing a precious resource' instead of 'managing a precious resources' to improve the sentence.
The indefinite articles 'a' and 'an' are used to modify **singular nouns**. When using a plural noun, these two articles are unnecessary. Plural nouns can take either a definite article or no article at all. The definite article is the word 'the'. Therefore 'resource' instead of 'resources' has to be used for a grammatically correct sentence.

S20. Ans.(a)
Sol. Use 'Karnataka and Maharashtra' instead of 'Karnataka or Maharashtra' to improve the sentence.
Or- Or is a conjunction that connects two or more possibilities or alternatives.
And- to link two words or phrases that are the same in order to emphasize the degree of something, or to suggest that something continues or increases over a period of time.
Disputes are usually between two equal entities therefore conjunction 'and' has to be used.

S21. Ans.(d)
Sol. Use 'cannot' to fill in the blank.
Cannot- the negative form of modal verb 'can'.
As per the context of the passage the only correct modal verb that has to be filled in the blank is 'cannot'.

S22. Ans.(a)
Sol. Use 'to' to fill in the blank.
To- to indicate a goal or a direction of movement, as well as a place of arrival.
As per the context of the passage 'to' is the most appropriate preposition to fill in the blank.

S23. Ans.(b)
Sol. Use 'ignores' to fill in the blank.
Third person Present form of verb 'ignore' has to be used because the sentence is in Simple present tense.

S24. Ans.(b)
Sol. Use 'have' to fill in the blank.
'Have' has to be used to fill in the blank because the subject is a plural pronoun.
'Have' is one of three auxiliary verbs in English: 'be', 'do' and 'have'.
'Have' means 'to possess, own or hold something'.

S25. Ans.(c)
Sol. Use 'are' to fill in the blank.
The sentence is in Simple present tense so third person present form of Auxiliary verb 'be' that is 'are' has to be used.

S26. Ans.(b)
Sol. The correct answer is option b.
The word 'Sorely' is spelt correctly.
Remaining words are spelt incorrectly.
Amandments – Amendments.
Perequisite – Prerequisite.
Immence – Immense.

S27. Ans.(b)
Sol. The correct answer is option b.
Circumvent - Overcome (a problem or difficulty), typically in a clever way.
Synonyms – Evade, Avoid.
Antonyms – Obey, Follow, Keep.

S28. Ans.(c)
Sol. The correct answer is option c.
The word that can be in the blank is, 'Precedents'.
Precedents - An earlier event or action that is regarded as an example or guide to be considered in subsequent similar circumstances while Emolument means a salary, fee, or profit from employment or office.
As per the context of the passage the word ` Precedents' fits in properly & hence it is
the correct choice.

S29. Ans.(c)
Sol. The correct answer is option c.
Unbridle - Not controlled or limited.
Synonyms – Unrestrained, Uncontrolled, Unbounded.
Antonyms - Checked, Constrained, Controlled.
Option c portrays the same meaning as that of the given word & hence it is the correct
choice.

S30. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is `Easier'.
As per the context, the word `Easier' fits in very well & hence, it is the correct choice.

S31. Ans.(d)
Sol. The correct answer is option d.
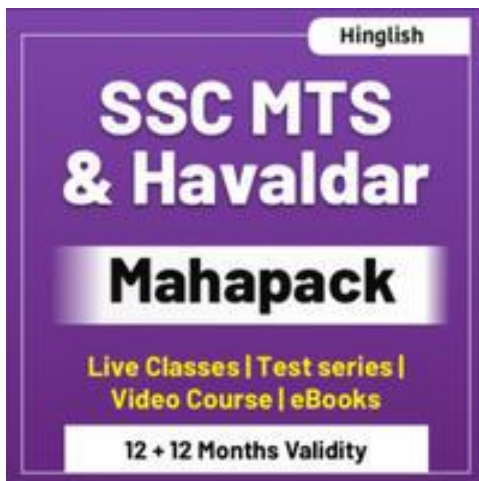The word that can be filled in the blank is 'Snap'.
As per the context, the word `Snap' fits in very well & hence, it is the correct choice.

S32. Ans.(b)
Sol. The correct answer is option b.
The word that can be filled in the blank is 'Lazier.'
As per the context, the word `Lazier' fits in very well & hence, it is the correct choice.

S33. Ans.(a)
Sol. The correct answer is option a.
The word that can be filled in the blank is `Factor.'
As per the context, the word `Factor' fits in very well & hence, it is the correct choice.

S34. Ans.(d)
Sol. The correct answer is option d.
The word that can be filled in the blank is `Proven'.
As per the context, the word `Proven' fits in very well & hence, it is the correct choice.

S35. Ans.(a)
Sol. The correct answer is option a.
The given sentence is of 'Direct Speech'.
Direct Speech - Reporting the message of the speaker in the exact words as spoken by him.
Indirect speech - Reporting the message of the speaker in our own words.
The sentence thus formed is – Deepika says that Amit has brought fame to his family.

S36. Ans.(d)
Sol. The correct answer is option d.
Cakes and Ale – It is an idiomatic expression used to describe a time or activity when you enjoy yourself greatly and have no troubles.
Option d portrays the same meaning as that of the given idiom & hence it is the correct choice.

S37. Ans.(d)
Sol. The correct answer is option d.
Diligent - Having or showing care and conscientiousness in one's work or duties.
Synonyms – Hard-working, Active, Working.
Antonyms – Lazy, Casual, Inactive.

S38. Ans.(b)
Sol. The correct answer is option b.
Aforementioned - The person, thing, people, or things that have been mentioned before in an earlier part of a piece of writing.
Option (b) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S39. Ans.(a)
Sol. The correct answer is option a.
Relinquish - To give over possession or control of.
Synonyms – Give up, Surrender.
Option (a) portrays the same meaning as that of the given word & hence it is the correct choice.

S40. Ans.(c)
Sol. The correct answer is option c.
The error lies in part c of the sentence.
Replace 'Doesn't' with 'Does' to make the sentence grammatically correct.
When the statement contains a word with a negative meaning, the question tag needs to be positive.
In the given sentence, the word 'Rarely' (Means - Not often) has a negative meaning. Hence, usage of negative tags is incorrect.

S41. Ans.(b)
Sol. The correct answer is option b.
The proper arrangement is – **ACDB**
A - It is the opening sentence as it introduces the topic by informing about a rich man.
C – It talks more about that man. Hence, it comes after sentence A.
D – It further tells that for him only two things were precious.
B – It concludes by saying that because of his love for gold, everyone used to call him a gold lover.

S42. Ans.(a)
Sol. The correct answer is option a.
The given sentence is of 'Active voice'.
The sentence is said to be in active voice when `Subject' is active & does something.
In the given sentence, the subject is ` Ramesh' and the subject performs some action (Painted the entire house)
Now we have to convert it into passive voice.
Passive voice – If the sentence is in passive form, the subject remains inactive. It does nothing, but allows something to be done.
In the passive form, the object of the verb in Active voice becomes the subject of the verb in the Passive voice. 'By' is introduced as now the subject receives the action by the object.
The sentence thus formed is – The entire house was painted by Ramesh.

S43. Ans.(a)
Sol. The correct answer is option a.
Anomaly - Something unusual, unexpected, or different from what normally happens.
Option (a) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S44. Ans.(b)
Sol. The correct answer is option b.
The word that can be filled in the blank is `Identity'.
As per the context, the word 'Identity' fits in very well & hence, it is the correct choice.

S45. Ans.(a)
Sol. The correct answer is option a.
Think out of the box – It is an idiomatic expression which means, 'Look at the broader context of a problem, challenge etc., Think differently.
Option (a) portrays the same meaning as that of the given idiom & hence, it is the correct choice.

S46. Ans.(d)
Sol. The correct answer is option d.
The correct spelling is 'Affiliation'.
Remaining words are spelt correctly.

S47. Ans.(b)
Sol. The correct answer is option b.
The error lies in part b of the sentence.
Replace 'Elder' with 'Eldest' to make the sentence grammatically correct.
Superlative degree - It is the form of an adjective or an adverb used to compare three or more things.
The superlative form of an adjective is used to show something has a quality to the greatest or least degree. It is used to show something has performed an action to the greatest or least degree.
Comparative degree – It is used to compare differences between the two objects they modify (larger, smaller, faster, higher). They are used in sentences where two nouns are compared.
If there were only two sisters, we could have used the comparative form 'Elder' here. But in the given sentence there are four sisters therefore, use of superlative form is appropriate.

S48. Ans.(a)
Sol. The correct answer is option a.
Replace 'One of the most loved celebrity' with 'One of the most loved celebrities' to make the sentence grammatically correct.
'One of the' is always followed by a plural noun.
Hence, usage of the singular noun 'Celebrity' is wrong.

S49. Ans.(d)
Sol. The correct answer is option d.
The given sentence is grammatically & contextually correct.

S50. Ans.(a)
Sol. The correct answer is option a.
The proper arrangement is- **CDBA**
C - It is the opening sentence as it introduces the topic, 'Friendship.'
D - It talks more about friendship. (That it is a partnership)
B – It tells that friends give their all.
A – It concludes by saying that it (friendship)lasts long by taking all good, bad etc.

S51. Ans.(c)
Sol. The correct answer is option c.
The word 'Companions' is spelt correctly.
Remaining words are spelt incorrectly.
Encapsuliate – Encapsulate.
Purceive – Perceive.
Transfussion – Transfusion.

S52. Ans.(b)
Sol. The correct answer is option b.
Callous - Showing or having an insensitive and cruel disregard for others.
Synonyms - Inconsiderate, Thoughtless, Uncaring, Insensitive.
Antonyms - Charitable, Compassionate, Humane, Kind-hearted.

S53. Ans.(b)
Sol. The correct answer is option b.
The word that can be in the blank is, 'Others'.
As per the context of the passage the word `Others' fits in properly & hence it is the correct choice.

S54. Ans.(a)
Sol. The correct answer is option a.
Soar - To quickly increase to a high level.
Synonyms - Rise, Arise, Ascend, Climb, Lift, Mount.
Antonyms - Decline, Descend, Dip, Drop.
Option (a) portrays the same meaning as that of the given word & hence it is the correct choice.

S55. Ans.(b)
Sol. The correct answer is option b.
The word that can be filled in the blank is `Suspected'.
As per the context, the word `Suspected' fits in very well & hence, it is the correct choice.

S56. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is 'Them'.
As per the context, the word `Them' fits in very well & hence, it is the correct choice.

S57. Ans.(d)
Sol. The correct answer is option d.
The word that can be filled in the blank is 'Again.'
As per the context, the word `Again' fits in very well & hence, it is the correct choice.

S58. Ans.(a)
Sol. The correct answer is option a.
The word that can be filled in the blank is `Who.'
As per the context, the word `Who' fits in very well & hence, it is the correct choice.

S59. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is `Proving'.
As per the context, the word `Proving' fits in very well & hence, it is the correct choice.

S60. Ans.(d)
Sol. The correct answer is option d.
The given sentence is 'Direct Speech'.
Direct Speech - Reporting the message of the speaker in the exact words as spoken by him.
The given sentence is 'Assertive sentence.'
While changing it into an indirect form, we consider following rules.
Reported Verb – 'Said' remains unchanged. (As the listener is unknown.)
Conjunction – In the Assertive sentence conjunction 'That' is used.
The sentence thus formed is - Monali said that she was feeling ill.

S61. Ans.(c)
Sol. The correct answer is option c.
Break a leg- It is an idiomatic expression which means, 'To wish someone luck especially before a performance.'
Option (c) portrays the same meaning as that of the given idiom & hence it is the correct choice.

S62. Ans.(a)
Sol. The correct answer is option a.
Sedentary - Involving a lot of sitting down; not active
Synonyms – Immobile, Motionless, Resting, Dull, Inactive.
Antonyms – Energetic, Active, Engaged, Occupied, Working.

S63. Ans.(b)
Sol. The correct answer is option b.
Introspect - Examine one's own thoughts or feelings.
Option (b) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S64. Ans.(d)
Sol. The correct answer is option d.
Cognizance - Detailed knowledge about or understanding of something.
Synonyms – Attention, Awareness, Consciousness.
Antonyms - Disregard, Neglect, Unawareness.
Option (d) portrays the same meaning as that of the given word & hence it is the correct choice.

S65. Ans.(c)

Sol. The correct answer is option c.

The error lies in part c of the sentence.

Remove 'Will' to make the sentence grammatically correct.

This type of sentence is called as 'Probable/ Likely conditionals'.

The tense in the "If" clause is the simple present, and the tense in the main clause is the simple future.

If clause (condition)   Main clause (result)

If + simple present (If this thing happens), Simple future (that thing will happen.)

For example- If it rains, they will cancel the match.

S66. Ans.(c)

Sol. The correct answer is option c.

The proper arrangement is – **ACBD.**

A- It is the opening sentence as it introduces the topic by informing about 'A hungry wolf.' (Who was in search of his prey.)

C – It tells that the wolf saw a goat. Use of the pronoun 'He' is a hint here. Also, sentence C is linked with sentence A.

B – It tells that the goat also saw the hungry wolf.

D – It concludes by saying that the wolf killed the goat before he escaped.

S67. Ans.(b)

Sol. The correct answer is option b.

The given sentence is 'Active voice'.

The sentence is said to be in active voice when `Subject' is active & does something.

In the given sentence, the subject is `She' and the subject performs some action (Grow the plants)

Now we have to convert it into passive voice.

Passive voice – If the sentence is in passive form, the subject remains inactive. It does nothing, but allows something to be done.

In the passive form, the object of the verb in Active voice becomes the subject of the verb in the Passive voice. 'By' is introduced as now the subject receives the action by the object.

The sentence thus formed is – Plants are grown by her.

S68. Ans.(a)

Sol. The correct answer is option a.

Pedigree - The parents and other family members of a particular animal, or a record of them.

Option (a) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S69. Ans.(c)

Sol. The correct answer is option c.

The word that can be filled in the blank is `Collaborated'.

As per the context, the word `Collaborated' fits in very well & hence, it is the correct choice.

S70. Ans.(a)

Sol. The correct answer is option a.

Kicked up – It is an idiomatic expression which means, 'To become more active or noticeable.'

Option (a) portrays the same meaning as that of the given idiom & hence, it is the correct choice.

S71. Ans.(c)

Sol. The correct answer is option c.

The correct spelling is 'Pandemic'.

Remaining words are spelt correctly.

S72. Ans.(c)

Sol. The correct answer is option c.

The error lies in part c of the sentence.

Replace 'Didn't' with 'Did' to make the sentence grammatically correct.

Sentences containing neither, nor, nobody, none, nothing, are considered negative. Hence, usage of the negative question tag 'Didn't' is wrong here. The given statement should be followed by a positive question tag.

Question tags are short questions at the end of statements. They are mainly used in speech when we want to –

- Confirm that something is true or not, OR

- To encourage a reply from the person we are speaking to.

Question tags are formed with the auxiliary or modal verb from the statement and the appropriate subject. A positive statement is followed by a negative question tag and a negative statement is followed by a positive question tag.

S73. Ans.(a)

Sol. The correct answer is option a.

Replace, Weren't with Aren't to make the sentence grammatically correct.

Conditional Sentences are used to express that the action in the main clause (without if) can only take place if a certain condition (in the clause with if) is fulfilled.

There are three types of Conditional Sentences.

The given sentence is a Type 1 sentence.

Conditional Sentence Type 1 - It is possible and also very likely that the condition will be fulfilled.

Form - If + Simple Present, will-Future.

Example: If you study, you will pass the exam.

S74. Ans.(d)

Sol. The correct answer is option d.

The given sentence is grammatically and contextually correct.

Pronouns are words that take the place of a noun. Relative pronouns are used at the beginning of an adjective clause (a dependent clause that modifies a noun).

Whose – It is the possessive form of 'Who'. Whose can be used for people, animals or things.

Ex - The man whose daughter won the tournament is a tennis coach.

In the given sentence, 'Whose' refers to 'Rural household'.

S75. Ans.(a)
Sol. The correct answer is option a.
The proper arrangement is- **DBCA.**
D - It is the opening sentence as it introduces the topic, 'Education'.
B – This sentence mentions the importance of a well-educated nation which is linked with the sentence D. Hence, DB forms the pair.
C – It talks about the Education in India.
A – It concludes by stating that the Indian government forms policies which stress the importance of education in India.

S76. Ans.(c)
Sol. The correct answer is option c.
The given sentence is 'Direct Speech'.
Direct Speech - Reporting the message of the speaker in the exact words as spoken by him.
The given sentence is 'Assertive sentence.'
While changing it into an indirect form, we consider following rules.
Reported Verb – 'Said' remains unchanged. (as the listener is unknown.)
Conjunction – In the Assertive sentence conjunction 'That' is used.
Now changes to Then.
The sentence thus formed is - Sheena said that she was very busy then.

S77. Ans.(a)
Sol. The correct answer is option a.
Keep one at bay- It is an idiomatic expression which means, 'To control something and prevent it from causing you problems.'
Option (a) portrays the same meaning as that of the given idiom & hence it is the correct choice.

S78. Ans.(c)
Sol. The correct answer is option c.
Haughty - Arrogantly superior and disdainful.
Synonyms - Arrogant, Assumptive, Proud.
Antonyms - Humble, Modest, Unarrogant.

S79. Ans.(d)
Sol. The correct answer is option d.
Museum - A building in which objects of historical, scientific, artistic, or cultural interest are stored and exhibited.
Option (d) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S80. Ans.(c)
Sol. The correct answer is option c.
Pungent - Smelling or tasting very strong and sharp.
Synonyms - Sharp, Strong, Tangy.
Antonyms - Bland, Mild, Smooth.
Option (c) portrays the same meaning as that of the given word & hence it is the correct choice.

S81. Ans.(c)
Sol. The correct answer is option c.
The error lies in part c of the sentence.
Replace 'Years' with 'Year' to make the sentence grammatically correct.
When the person's age is being used as an adjective, we say 'Year-old' and not 'Years old'.
In the given sentence, '23-year-old' is a one adjective, referring to a friend.

S82. Ans.(a)
Sol. The correct answer is option a.
The correct spelling is 'Volunteer'.
Remaining words are spelt correctly.

S83. Ans.(b)
Sol. The correct answer is option b.
The error lies in part b of the sentence.
Replace 'His' with 'One's' to make the sentence grammatically correct.
In the given sentence, the subject is 'One' then it is followed by the possessive pronoun "One's". It is used to indicate that something belongs or relates to people in general, or to themselves in particular. (Here, Health of a particular person)

S84. Ans.(d)
Sol. The correct answer is option d.
The given sentence is grammatically & contextually correct.

S85. Ans.(b)
Sol. The correct answer is option b.
Replace, 'Dreaming to be' with 'Dream to be' to make the sentence grammatically correct.

S86. Ans.(c)
Sol. The correct answer is option c.
The proper arrangement is- **CABD**
C- It is the opening sentence as it introduces the topic by informing about a young man.
A – It tells more about that man which is linked with the earlier sentence. Hence, CA forms the pair.
B – It tells that a large crowd gathered to examine the heart of that man.
D – It concludes by stating that everyone agreed on having the most beautiful heart in the valley.

S87. Ans.(c)
Sol. The correct answer is option c.
The word 'Complementary' is spelt correctly.
Remaining words are spelt incorrectly.
Instentaneously – Instantaneously.
Prominant - Prominent.
Resilience – Resilience.

S88. Ans.(b)
Sol. The correct answer is option b.
Fugitive - Hard to find, capture, or isolate. Having to do with matters of temporary interest.
Synonyms – Momentary, Temporary, Unapproachable, Unavailable.
Antonyms –Approachable, Available, Lifelong, Durable, Persistent.

S89. Ans.(c)
Sol. The correct answer is option c.
The word that can be in the blank is, 'Began'.
As per the context of the passage the word `Began' fits in properly & hence it is the correct choice.

S90. Ans.(c)
Sol. The correct answer is option c.
Pitiable - (used about a person or situation) Deserving pity; Causing you to feel pity,
Not causing or deserving a feeling of respect.
Synonyms – Miserable, Pathetic, Pitiful, Dishonourable.
Antonyms – Admirable, Praiseworthy.
Option (c) portrays the same meaning as that of the given word & hence it is the correct choice.

S91. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is `Varied'.
As per the context, the word `Varied' fits in very well & hence, it is the correct choice.

S92. Ans.(a)
Sol. The correct answer is option a.
The word that can be filled in the blank is 'What'.
As per the context, the word `What' fits in very well & hence, it is the correct choice.

S93. Ans.(d)
Sol. The correct answer is option d.
The word that can be filled in the blank is 'Throughout.'
As per the context, the word `Throughout' fits in very well & hence, it is the correct choice.

S94. Ans.(b)
Sol. The correct answer is option b.
The word that can be filled in the blank is `Knowledgeable.'
As per the context, the word `Knowledgeable' fits in very well & hence, it is the correct choice.

S95. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is `Needs'.
As per the context, the word `Needs' fits in very well & hence, it is the correct choice.

S96. Ans.(a)
Sol. The correct answer is option a.
Calligraphy - The art of writing beautifully with a special pen or brush.
Option (a) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S97. Ans.(c)
Sol. The correct answer is option c.
The word that can be filled in the blank is `Generated'.
As per the context, the word 'Generated' fits in very well & hence, it is the correct choice.

S98. Ans.(d)
Sol. The correct answer is option d.
The given sentence is 'Direct Speech'.
Direct Speech - Reporting the message of the speaker in the exact words as spoken by him.
The given sentence is 'Assertive sentence.'
While changing it into an indirect form, we consider following rules.
Reported Verb – 'Said' remains unchanged. (as the listener is unknown.)
Conjunction – In the Assertive sentence conjunction 'That' is used.
The sentence thus formed is - He said that he had to finish the assignment on time.

S99. Ans.(a)
Sol. The correct answer is option a.
Carry the day - It is an idiomatic expression which means, 'To gain victory or be successful.'
Option (a) portrays the same meaning as that of the given idiom & hence it is the correct choice.

S100. Ans.(c)
Sol. The correct answer is option c.
The given sentence is of 'Active voice'.
The sentence is said to be in active voice when `Subject' is active & does something.
In the given sentence, the subject is ` Ajay' and the subject performs some action (did not accept the invitation)
Now we have to convert it into passive voice.
Passive voice – If the sentence is in passive form, the subject remains inactive. It does nothing, but allows something to be done.
In the passive form, the object of the verb in Active voice becomes the subject of the verb in the Passive voice. 'By' is introduced as now the subject receives the action by the object.
The sentence thus formed is – The invitation was not accepted by Ajay.

S101. Ans.(c)
Sol. Let 'A' be the train from Kurukshetra to Bhopal and 'B' be the train from Bhopal to Kurukshetra.
Now,
Time taken by 'A' = 10 hrs.
Time taken by 'B' = 10 hrs.
Hence,
Let, distance = 10 km (LCM of 10 and 10)
So,
Speed of 'A' = $\frac{10}{10}$ = 1 km/hr
Speed of 'B' = $\frac{10}{10}$ = 1 km/hr
So,
Trains meet after = 2 hrs. + $\frac{8}{2}$ hrs. = 6 hrs.
Trains meet at = 5 am + 6 hrs. = 11 am

S102. Ans.(a)
Sol. CP of tea set = $1710 \times \frac{100}{57}$
= Rs. 3000
Now,
SP at 15% profit = $3000 \times \frac{115}{100}$
= Rs. 3450

S103. Ans.(a)
Sol. Let 's' be the actual speed
ATQ,
$\frac{120}{S-2} - \frac{120}{S} = 3$
$\frac{120S - 120S + 240}{S(S-2)} = 3$
S (S – 2) = 80
By hit and trial,
S = 10 km satisfy the equation.

S104. Ans.(d)
Sol. Use formula,
$\frac{M_1 D_1}{W_1} = \frac{M_2 D_2}{W_2}$
$\frac{10 \times 12}{1} = \left(\frac{6 \times d}{3/5}\right)\frac{1}{2}$
⇒ d = 24 days

S105. Ans.(d)
Sol. Radius of cone = $\frac{1}{2}$ × Height of cone
$r = \frac{h}{2}$
⇒ $h_1 = 2r_1$
ATQ,
$\frac{1}{3}\pi r_1^2 (2r_1) = \frac{2}{3}\pi r_2^3$
$\frac{2}{3}\pi r_1^3 = \frac{2}{3}\pi r_2^3$
$\frac{r_1}{r_2} = \frac{1}{1}$

S106. Ans.(d)
Sol. Required ratio = 40 : 8
= 5 : 1

S107. Ans.(b)
Sol. Let CP of item be 'x'.
$\frac{115x}{100} - \frac{85x}{100} = 66$
$\frac{30x}{100} = 66$
C.P, x = 220
Now,
SP of item at 25% profit = $220 \times \frac{125}{100}$ = Rs. 275

S108 Ans.(d)
Sol. $\left[(49)^{\frac{3}{2}} + \frac{1}{(49)^{\frac{3}{2}}}\right]$
$= \left[7^3 + \frac{1}{7^3}\right] = \left[\frac{7^6+1}{7^3}\right] = \frac{117649+1}{343} = \frac{117650}{343}$

S109. Ans.(b)
Sol. Let length & breadth of the rectangle = 10
Area = 10 × 10 = 100 cm²
New length $= \frac{10 \times 110}{100} = 11$
New breadth $= \frac{10 \times 120}{100} = 12$
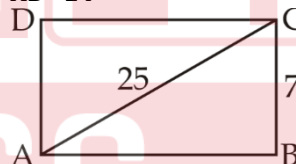New area = 11 × 12 = 132 cm²
Increase % $= \frac{132-100}{100} \times 100 = 32\%$

S110. Ans.(d)
Sol. AB = $\sqrt{25^2 - 7^2}$
AB= 24

Perimeter = 2 (length + breadth) = 2 (7 + 24) = 62 cm

S111. Ans.(b)
Sol. Curved surface area of right circular cone = πrℓ
r = radius
ℓ = slant height
atq,
$\frac{22}{7} \times r \times 9 = 99$
$r = \frac{7}{2}$ cm
Diameter = 2r = $\frac{7}{2} \times 2$ = 7 cm

S112 Ans.(b)
Sol. Profit ratio = investment × Time
ATQ,
$\frac{85000 \times 12}{102000 \times x} = \frac{1}{1}$
⇒ x = 10 month
∴ Payal join Akash after 2 month

S113. Ans.(b)
Sol. Sum of all one digit, two digit & three digit natural numbers.

$1 + 2 + 3 + ...+999.$

$= \dfrac{n(n+1)}{2} = \dfrac{999 \times 1000}{2}$

Average $= \dfrac{999 \times 1000}{2 \times 999} = 500$

S114. Ans.(c)
Sol. Simple interest of 7 years = 8400
∴ Simple interest of 1 years = 1200
Rate % $\dfrac{1200}{6000} \times 100 = 20\%$

S115. Ans.(b)
Sol. CP of refrigerator = 13400
Loss % = 4% = $\dfrac{1}{25}$
SP $= \dfrac{13400}{25} \times 24 = 536 \times 24 = 12864$

S116. Ans.(c)
Sol. SP: MP = 20: 31 & 20% = $\dfrac{1}{5}$
& CP: SP = 5: 4
Or, CP: SP = 25: 20 {SP should be same in both cases}
⇒ CP: MP = 25: 31
Or, MP: CP = 31: 25

S117. Ans.(d)
Sol. In 6 hours pipe x & y will fill = 6x (25 +20)
= 270
Now, Z is also opened
Remaining tank = 400 − 270 = 130
Time to fill $= \dfrac{130}{25+20-16} = \dfrac{130}{29}$
Total time $= 6 + \dfrac{130}{29} = \dfrac{174+130}{29}$
$= \dfrac{304}{29}$ hrs

S118. Ans.(d)
Sol. $(13)^2 - (14)^2 + (17)^2 - 250 = 169 - 196 + 289 - 250$
$= 12 = \sqrt{144}$

S119. Ans.(a)
Sol. 150 : 200
3 : 4

S120. Ans.(d)
Sol. Difference = 4000 – 1500
= 2500

S121. Ans.(a)
Sol. Selling price $= 3600 \times \dfrac{90}{100}$
= Rs 3240
Cost price $= 3240 \times \dfrac{100}{108}$
= Rs 3000

S122. Ans.(c)
Sol. Required ratio = 50 : 110 = 5 : 11

S123. Ans.(a)
Sol. Required angle $= \dfrac{60}{500} \times 360° = 43.2°$

S124. Ans.(c)
Sol. $[53 -\{31- (8 - \overline{7-4}) \}] \div 3$
$[53 - \{31-(5)\}] \div 3$
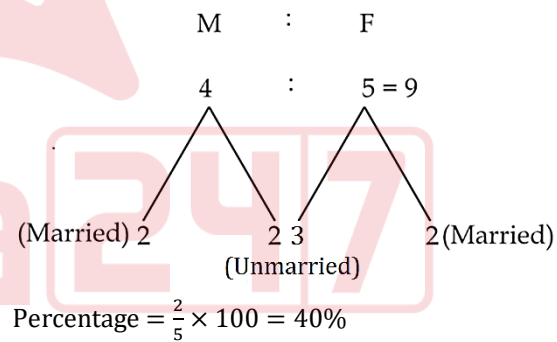$[53-26] \div 3 \Rightarrow 9$

S125. Ans.(c)
Sol.

$437\dfrac{1}{2}\% = \dfrac{35}{8}$ ⎞ $27 \xrightarrow{\times 3} 81$

⎞ $\times 3$

24

S126. Ans.(d)
Sol.

Percentage $= \dfrac{2}{5} \times 100 = 40\%$

S127. Ans.(d)
Sol. $= -3^{16} + (3 - 1)(3 + 1)(3^2 + 1)(3^4 + 1)(3^8 + 1)$
$= -3^{16} + (3^2 - 1)(3^2 + 1)(3^4 + 1)(3^8 + 1)$
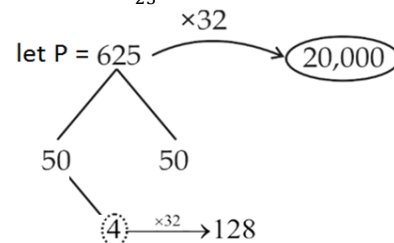$= -3^{16} + (3^4 - 1)(3^4 + 1)(3^8 + 1)$
$= -3^{16} + 3^{16} - 1 = -1$

S128. Ans.(c)
Sol. $d + 500 = \left(72 \times \dfrac{5}{18}\right) \times 60$
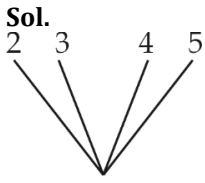$d = 1200 - 500 = 700$ meter

S129. Ans.(d)
Sol. $8\% = \dfrac{2}{25}$

S130. Ans.(b)
Sol. Discount % $= \frac{2}{2+6} \times 100 = 25\%$

S131. Ans.(b)
Sol.

2   3   4   5

LCM = 60
Required number = 60 + 1 = 61

S132. Ans.(c)
Sol.

Radius : Height

1   :   3

×7   ×7

7   21

S133. Ans.(b)
Sol.

Raam 10 days   4
                40
Rupesh 40 days 1
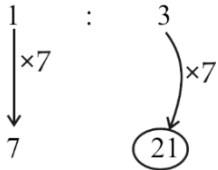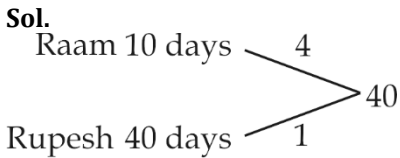
$\frac{\frac{3}{4} \times 40}{5}$

= 6 days

S134. Ans.(a)
Sol. Speed $= \frac{90}{2.5} \times \frac{5}{18}$
= 10 m/sec

S135. Ans.(b)
Sol. Total increment in 3 years = 27%
Increment in 1 year is equal to ROI $= \frac{27}{3} = 9\%$

S136. Ans.(b)
Sol.

24   32

4   3

96
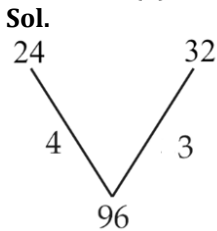
Filled by B = 16 × 3 = 48
Remaining part's filled by A $= \frac{96-48}{4} = 12$ min

S137. Ans.(a)
Sol. $I_1 + I_2 + \cdots I_{12} = 12x$
$I_1 + I_2 + \ldots \ldots \ldots I_{12} + 95 = 13(X + 4)$
$12x + 95 = 13\,x + 52$
x = 43

S138. Ans.(c)
Sol. Let fraction is = x
$2x + \frac{5}{x} = 7$
$2x^2 - 7x + 5 = 0$
(x - 1) (2x - 5) = 0
$x = \frac{5}{2}$ or 1

S139. Ans.(d)
Sol. Atq,
2(3x + 4x) = 4a
14x = 4a
$\frac{x}{a} = \frac{2}{7}$
Ratio of areas $= 3x \times 4x : a^2$
$= 12x^2 : a^2$
$= 12 \times 4 : 49 \Rightarrow 48 : 49$

S140. Ans.(c)
Sol. $1080 = \frac{3000 \times 12 \times t}{100}$
t = 3 yrs

S141. Ans.(a)
Sol. Let the two-digit number be
10x +y, where x > y
Here, x+y=10 ...(i)
And, 10x + y – 10y – x = 18
$\Rightarrow$ 9x – 9y = 18
$\Rightarrow$ x – y = 2 ...(ii)
On solving (i) and (ii)
x = 6 and y = 4
Number = 64

S142. Ans.(c)
Sol. Atq,
$x + \frac{2}{3}x = 85$
$\Rightarrow$ x = 51 m

S143. Ans.(d)
Sol. $5 + 2\sqrt{6} = \left(\sqrt{2} + \sqrt{3}\right)^2$
So, sq. root $= \sqrt{2} + \sqrt{3}$

S144. Ans.(d)
Sol. $a^2 + 2ab + b^2 = (a + b)^2$
$\Rightarrow [8.7 + 1.3]^2 = 10^2 = 100$

S145. Ans.(d)
Sol.

	Arun	Sunil
Efficiency	3	1
Days	1	3

2 units

2 units → 60 days
1 units → 30 days
Arun can alone complete the work in 30 days
Sunil takes 3 units = 3 × 30 = 90 days

S146. Ans.(c)

Sol. $\frac{M_1 D_1}{W_1} = \frac{M_2 D_2}{W_2}$

$\Rightarrow \frac{72 \times 21}{280} = \frac{x \times 18}{100}$

x = 30 workers

S147. Ans.(a)

Sol. Let length of express train = 2x

Length of other train = x

Atq,

$\frac{2x+x}{(48+42) \times \frac{5}{18}} = 12$

$\Rightarrow 3x = \frac{12 \times 5 \times 90}{18}$

x = 100m

Now, distance covered in 45 sec $= 48 \times \frac{5}{18} \times 45 = 600$ m

length of platform = 600 – 2 × 100 = 400 m

S148. Ans.(b)

Sol. Average speed $= \frac{2ab}{a+b}$

$= \frac{2 \times 6 \times 3}{6+3} = 4$ km/hr

S149. Ans.(c)

Sol. Internal volume $= 3.2 \times 2.5 \times (1.1 - x) = 8000$

$\Rightarrow 1.1 - x = 1$

$\Rightarrow x = 0.1$ m

S150. Ans.(c)

Sol. Atq,

$\frac{4}{3}\pi(3)^3 = \frac{1}{3}\pi \times (6)^2 \times h$

h = 3 cm

S151. Ans.(b)

Sol. Difference $= \frac{a^2}{100}\%$

$= 0.25\%$

i.e. 0.25% → Rs 4.5

100% → Rs 1800

S152. Ans.(b)

Sol. On selling the mixture at 99.6 Rs/kg, he gains 20%

$\Rightarrow$ fraction value of 20% $= \frac{1}{5}$
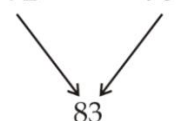
If cost price is 5 units, selling price is 6 units

ATQ,

6 units → Rs. 99.6

5 units → $\frac{99.6}{6} \times 5 =$ Rs. 83

Tea 1   Tea 2

72   90

   83

7   11

Ratio = 7 : 11

S153. Ans.(c)

Sol. Let numbers are 27a and 27b

ATQ,

27a × 27b = 2187

ab = 3

Now, co-primes of 3 are (1, 3)

so, the required numbers 27 and 81.

∴ Greater number = 81

S154. Ans.(b)

Sol. Sum of five new numbers = 55 × 45 – 50 × 40

= 2475 – 2000

= 475

∴ Average $= \frac{475}{5} = 95$

S155. Ans.(a)

Sol. $400000 \times \frac{95}{100} \times \frac{95}{100} \times \frac{95}{100}$

= 342950

S156. Ans.(b)

Sol.

Pipe 1 Pipe 2

3   1

∴ Total capacity = (3 + 1) × 36

= 4 × 36

∴ time taken by slower pipe $= \frac{4 \times 36}{1} = 144$ min

S157. Ans.(a)

Sol. Required average $= \frac{250+375+200+400+75}{5}$

$= \frac{1300}{5} = 260$

S158. Ans.(b)

Sol. A + B = 250 + 375 = 625

D + E = 400 + 75 = 475

Required % tax $= \frac{625-475}{625} \times 100 = 24\%$

S159. Ans.(a)
Sol. $A + E = 250 + 75 = 325$
D = 400
Required % $= \frac{400-325}{400} \times 100 = 18.75\%$

S160. Ans.(d)
Sol. Let CP be Rs 100

S161. Ans.(c)
Sol. 1st article was sold at the profit of 37.5%
$= \frac{3}{8}$ [Fractional value]
⇒ If cost price = 8 units
Selling price = 11 units
Second article was sold at a loss of 8.33% $= \frac{1}{12}$ [Fractional value]
⇒ If CP = 12 units
SP = 11 units

	CP	SP
Article I	8	11
Article II	12	11
Total	20	22

Total CP = 20 units
Total SP = 22 units
ATQ,
$(22 - 20)$ units = Rs 8634
1 unit $= \frac{8634}{2}$
11 units $= \frac{8634}{2} \times 11$
= 47487 Rs.

S162. Ans.(d)
Sol. Let quantity of 1 bottle =x
Then, total quantity for party = 30x
New, quantity $= \frac{7x}{10}$
So,
Required bottles $= \frac{30x}{\left(\frac{7x}{10}\right)} = \frac{300}{7}$
= 42.85

S163. Ans.(a)
Sol. Speed $= \left(51 \times \frac{5}{18}\right) = \frac{85}{6}$ m/s
Time = 36 sec
Let, length of platform is 'x' metre
So, $\frac{180+x}{36} = \frac{85}{6}$
180 + x = 510
x = 330 m

S164. Ans.(b)
Sol. Let three numbers are x, x+ 2, x+ 4
ATQ,
3(x + 2) = 2 (x + 4) + 9
x = 11

S165. Ans.(b)
Sol. Water (in litres) fall into the sea in 1 minute
$= 4 \times 50 \times 6 \times \frac{1000}{60}$ m³
= 20000 m³
= 20000 × 10³ litres [∵ 1m³ = 1000 litres]
= 2 × 10⁷ litres

S166. Ans.(a)
Sol. Let students in section A = x
And, students in section B = y
ATQ,
78.5 x + 71y = 75 (x+y)
78.5x – 75x = 75y – 71 y
⇒ $\frac{x}{y} = \frac{4}{3.5} = \frac{8}{7}$

S167. Ans.(a)
Sol. Let, no. of workers in factory = 100 units
Then, no. of workers above 30 years = 60 units
Now ATQ,
No. of males above 30 years = $60 \times \frac{75}{100}$ = 45 units
So,
45 units → 1350
Then, 100 units → $\frac{1350}{45} \times 100 = 3000$

S168. Ans.(b)
Sol. Let speed of stream = 'y' km/hr
ATQ,
$\frac{30}{20-y} + \frac{30}{20+y} = 4$
$\frac{600+30y+600-30y}{400-y^2} = 4$
$\frac{1200}{400-y^2} = 4$
⇒ y = 10 km/hr

S169. Ans.(c)
Sol. $\frac{45}{100} \times 750 - \frac{25}{100} \times 480 + x = 480.50$
⇒ x = 480.50 – 337.5 + 120
⇒ x = 263

S170. Ans.(a)
Sol. New average $= \frac{27}{3} = 9$

S171. Ans.(d)
Sol.

	A	:	B	:	C
Capital	25000	:	50,000	:	75,000
	×24	:	×18	:	×12
	6,00,000	:	9,00,000	:	9,00,000

		A	:	B	:	C
		6	:	9	:	9
Ratio of profit	→	2	:	3	:	3

S172. Ans.(b)
Sol. ATQ,
(2M + 3B) × 14 = (3M + 2B) × 12 = total work
⇒ 14M + 21B = 18M + 12B
⇒ 9B = 4M = $\frac{M}{B} = \frac{9}{4}$
∴ Total work = (2M + 3B) × 14
= (2 × 9 + 3 × 4) × 14
= (18 + 12) × 14 = 420
∴ Required no. of days = $\frac{420}{2\times9+4\times1} = \frac{420}{18+4}$
= $\frac{420}{22} = \frac{210}{11} = 19\frac{1}{11}$ days

S173. Ans.(a)
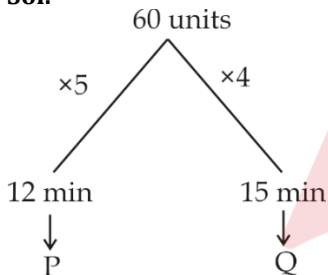**Sol.** $R = 8\frac{3}{4}\% = \frac{35}{4}\% = \frac{7}{80}$

Principal   Amount

I → $(80)_{\times87}$ $(87)_{\times87}$

II →   6400   7569

∴ Total principle = 80 × 87 + 6400
⇒ 13360 units → Rs 26720
Installment, 7569 units→ Rs 15,138

S174. Ans.(c)
Sol.

60 units

×5   ×4

12 min   15 min

↓   ↓
P   Q

(P + Q) in 4 min = (5 + 4) × 4 = 36 units
Remaining units = (60 – 36) units = 24 units
∴ required time = $\left(\frac{24}{4}\right)$ = 6 min

S175. Ans.(b)
Sol.

$[(0.83)^2 + (0.17)^2 + (0.83 \times 0.34)]^{2017}$

↓   ↓   ↓

a^2 b^2 $2ab$

Where a = 0.83, b = 0.17
= $[(a + b)^2]^{2017} = [(1)^2]^{2017} = 1$

S176. Ans.(c)
Sol.

A------- 32 ⟍ 45
B-------36 — 40 ⟩ 1440
C-------20 ⟋ 72

A + B - C = 85 – 72 = 13
∴ half of the tank will be filled in $\frac{720}{13}$ hrs = $55\frac{5}{13}$ hrs

S177. Ans.(b)
Sol.

1 kg = 1000 gm

10% profit   800 gm
1100 gm   he sells

300 gm
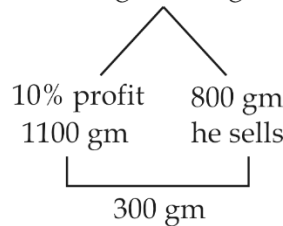
∴ profit % = $\frac{300}{800} \times 100 = 37\frac{1}{2}\%$

S178. Ans.(b)
Sol. Profit percent of company Y in 1997 = 35
Let the income of company Y in 1997 be Rs x cr
Then,
$35 = \frac{x-220}{220} \times 100 \Rightarrow x = 297$
∴ Income of company Y in 1997 = Rs 297 cr

S179. Ans.(d)
Sol. Let the incomes of each of the two companies X and Y in 1999 be Rs x
And let the expenditure of companies X and Y in 1999 be E₁ and E₂ respectively.
Then, for company X we have
$50 = \frac{x-E_1}{E_1} \times 100 \Rightarrow x = \frac{150}{100}E_1$ ...(i)
Also for company Y we have
$60 = \frac{x-E_2}{E_2} \times 100 \Rightarrow x = \frac{160}{100}E_2$ ...(ii)
From (i) and (ii)
$\frac{E_1}{E_2} = \frac{16}{15}$

S180. Ans.(a)
Sol. Let the income of company X in 1998 be Rs x crores
Then,
$55 = \frac{x-200}{200} \times 100 \Rightarrow x = 310$
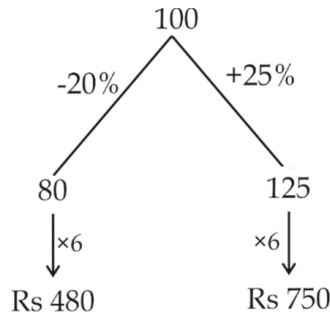∴ Expenditure of company x in 2001
= income of company X in 1998
= Rs 310 cr
Let the income of company X in 2001 be Rs z crore
Then,
$50 = \frac{z-310}{310} \times 100 \Rightarrow z = 465$
∴ Income of company X in 2001
= Rs 465 cr

100

-20%   +25%

80   125

×6   ×6

Rs 480   Rs 750

S181. Ans.(c)
Sol. $\frac{2}{3}A = \frac{50}{100}B = \frac{8}{10}C$
$\Rightarrow \frac{2}{3}A = \frac{1}{2}B = \frac{4}{5}C$
$\Rightarrow \frac{2}{3}A = \frac{1}{2}B \ \& \ \frac{1}{2} \times B = \frac{4}{5}C$
$\Rightarrow \frac{A}{B} = \frac{3}{4} \Rightarrow \frac{B}{C} = \frac{8}{5}$

$$
\begin{array}{ccccccc}
 & & & & A & : & B & : & C \\
\therefore & A & : & B & = & 3 & : & 4 & : & 4 \\
 & & B & : & C & 8 & : & 8 & : & 5 \\
\hline
 & & & & & 24 & : & 32 & : & 20 \\
 & & & & \Rightarrow & 6 & : & 8 & : & 5
\end{array}
$$

S182. Ans.(a)
Sol.

```
   A              B
  66.5           60
     \          /
        \    /
          64
        /    \
     /          \
   4              2.5
⇒   8      :      5
```
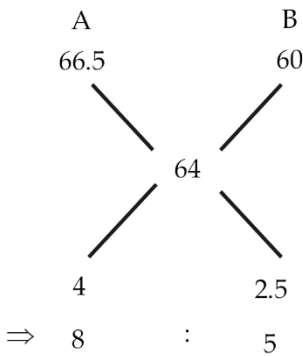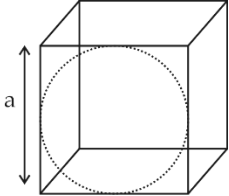
S183. Ans.(b)
Sol. Side of cube = 14 cm

Radius of largest sphere $= \frac{a}{2}$
$\therefore$ Volume of sphere $= \frac{4}{3}\pi r^3$
$= \frac{4}{3} \times \frac{22}{7} \times \frac{14}{2} \times \frac{14}{2} \times \frac{14}{2}$
$= 1437.33 \text{ cm}^3$

S184. Ans.(b)
Sol. Area of three consecutive face = ℓb = bh = hℓ = 16 cm²
Volume of cuboid = $\ell \times$ b $\times$ h
Here, ℓb $\times$ bh $\times$ hℓ = 16 $\times$ 16 $\times$ 16
$\Rightarrow \ell^2 b^2 h^2 = \sqrt{16 \times 16 \times 16}$
$\Rightarrow \ell bh = 16\sqrt{4 \times 4} = 16 \times 2 \times 2 = 64 \text{ cm}^3$

S185. Ans.(b)
Sol. A $\times$ 40% = B $\times$ 75%
$\Rightarrow \frac{A}{B} = \frac{15}{8}$
Now,
B's income = x% of A's income
$\Rightarrow 8 = \frac{x}{100} \times 15$
$\Rightarrow x = \frac{800}{15} = \frac{160}{3}$

S186. Ans.(c)
Sol. Let two numbers be A & B

$$
\begin{array}{ccc}
A & : & B \\
2 & : & 5 \\
\downarrow & & \\
200x & : & 500x
\end{array}
$$

Where x is constant.
Now, ATQ,
200x $\times$ 20% + 20 = 500x $\times$ 10% + 15
$\Rightarrow$ 40x + 20 = 50x + 15
$\Rightarrow$ 10x = 5
$\Rightarrow x = \frac{1}{2}$
Larger number = 250

S187. Ans.(c)
Sol.

```
            90 km
|---|---|---|---|
   8 min   8 min
```

No. of times he stops $= \frac{90}{7} = 12 \times 7 + 6$
$\downarrow$
12 times
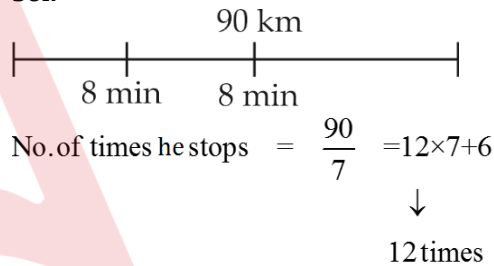
Time taken if he never stops $= \frac{90}{18} = 5$ h
Total time of stopping = 12 $\times$ 8 = 96 min
Hence, total time = 5h + 96 min
= 6h 36 minute

S188. Ans.(d)
Sol. $\rightarrow$ Train $\rightarrow$ speed $\rightarrow$ s km/h
$\rightarrow$ 3 km/h $\rightarrow$ Man 1
$\rightarrow$ 5 km/h $\rightarrow$ Man 2
Relative speed of train with Man 1 = (s-3)
Relative speed of train with Man 2 = (s – 5)

$$
\begin{array}{ccc}
 & I & II \\
\text{Ratio of time} & 12 & : & 15 \\
 & 4 & : & 5 \\
\text{Ratio of relative speed} & 5 & : & 4
\end{array}
$$

ATQ,
$\frac{s-3}{s-5} = \frac{5}{4} \Rightarrow 4(s-3) = 5(s-5)$
$\Rightarrow$ 4S – 12 = 5S – 25
$\Rightarrow$ S = 13 km/h

S189. Ans.(d)
Sol. Effective interest for CI for 2 year
$= 5 + 5 + \frac{5 \times 5}{100} = 10.25\%$
Interest for 3 years at SI = 6 $\times$ 3 = 18
Now, ATQ,
10.25 % $\rightarrow$ Rs 287
$\therefore$ 18% $\rightarrow \frac{287}{10.25} \times 18 = Rs\ 504$

S190. Ans.(c)
Sol. Let CP = x

$$\text{loss}\% = \text{Profit}\%$$

$$\frac{\text{CP-SP}_1}{\text{CP}} \times 100 = \frac{\text{SP}_2\text{-CP}}{\text{CP}} \times 100$$

$\Rightarrow \frac{x-60}{x} = \frac{80-x}{x}$

$\Rightarrow 2x = 140$

$\Rightarrow x = 70$

% profit $= \frac{80-70}{70} \times 100 = \frac{100}{7} = 14\frac{2}{7}\%$

S191. Ans.(d)
Sol.

Mixture 1 = 40 lit

S : W
3 : 7 = 10 lt
×4 ×4 ×4
12 28 40

Mixture 2 = 72 lit

S : W
7 : 5 = 12 lt
×6 ×6 ×6
42 30 72

		S	:	W
I	→	12	:	28
II	→	42	:	30
I + II	→	54	:	58
I + II	→	27	:	29

S192. Ans.(c)
Sol. Tank filled in $= \frac{1}{9} + \frac{1}{18} - \frac{1}{15}$

$= \frac{10+5-6}{90} = \frac{9}{10} = \frac{1}{10} = 10$ hrs

S193. Ans.(b)
Sol. $\frac{x \times 8 \times 5}{100} = \frac{y \times 75 \times 6}{100 \times 10}$

$\frac{x}{y} = \frac{75 \times 6}{8 \times 50} = \frac{9}{8}$

$\Rightarrow x : y = 9 : 8$

S194. Ans.(d)
Sol. SP at 15% loss, $= 1200 \times \frac{85}{100}$

= Rs 1020

Now,

SP after 5% reduction $= \frac{1020 \times 95}{100}$

= Rs 969

S195. Ans.(d)

Sol. $A = 3000 \left(1 + \frac{20}{200}\right)^3$

$= 3000 \left(\frac{11}{10}\right)^3$

$= 3000 \times \frac{1331}{1000} = Rs\ 3993$

S196. Ans.(a)
Sol. HCF × LCM = 1st no. × 2nd no.

12 × 72 = 24 ×x

$\Rightarrow \frac{12 \times 72}{24} = 36$

S197. Ans.(d)
Sol. -70 + 28 ÷ (7 – 3)

= -70 + 28 ÷ 4

= -70 + 7 = -63

S198. Ans.(a)
Sol. Atq,

80 units → 6000 tons

1 units $\to \frac{6000}{80}$ tons

So,

360 units $\to \frac{6000}{80} \times 360 = 27000$ tons

S199. Ans.(c)
Sol. $\frac{1}{\text{Time taken by Rohit}} = \frac{1}{10} - \frac{1}{15}$

$= \frac{6-4}{60} = \frac{2}{60} = \frac{1}{30}$

= 30 days

S200. Ans.(a)
Sol. A = 40 + 37 + 35 + 27 = 139

B = 6 + 26 +76 + 86 = 194

C = 83 + 71 + 4 + 21 = 179

D = 1 + 7 + 3 + 11 = 22

So, party D won the least number of seats.

S201. Ans.(d)
Sol. Country and it's national game.

S202. Ans.(b)
Sol.

17 51 50 150 149 (447)
×3 −1 ×3 −1 ×3

S203. Ans.(c)
Sol. +4 series with their opposites.

S204. Ans.(b)
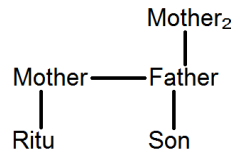**Sol.** Numeric position of alphabets in English alphabet series.

S205. Ans.(c)
Sol. $7 \times 5 + 5 = 4 \times 10$
$35 + 5 = 40$
$40 = 40$

S206. Ans.(c)
Sol.

S207. Ans.(c)
Sol. No. 3 shows required portion.

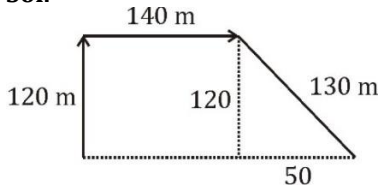**S208. Ans.(c)**
Sol. $11^2 + 11 = 132$
$17^2 + 17 = 306$
$23^2 + 23 = 552$
$16^2 + 16 = 272$

S209. Ans.(b)
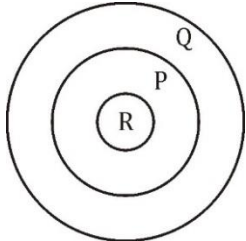**Sol.**

$= 140 + 50 = 190$ m

S210. Ans.(c)
Sol. 'PHONIC' can't be formed

S211. Ans.(d)
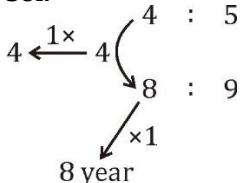**Sol.** Except 'D' others are capital of union territory states

S212. Ans.(b)
Sol.

I ×
II √

S213. Ans.(d)
Sol.

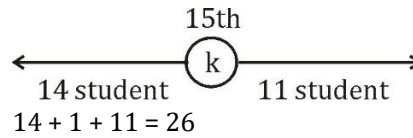After 2 year, age of Ram = 8 years
So present age = 6 years

S214. Ans.(c)

S215. Ans.(c)
Sol. There are 34 triangles.

S216. Ans.(d)
Sol.

$14 + 1 + 11 = 26$

S217. Ans.(d)
Sol. $7^{th} - 4^{th} = 3^{rd}$ term from the right

S218. Ans.(a)
Sol. $2^3 + 2^2 , 3^3 + 3^2 , 4^3 + 4^2 , ... 6^3 + 6^2$

S219. Ans.(d)
Sol. $(4 \times 3) + (2 \times 5) = 22$
$(1 \times 2) + (7 + 6) = 44$
$(8 \times 7) + (5 \times 2) = 66$

S220. Ans.(a)
Sol. Pulicat lake is on the border of Andhra Pradesh.

S221. Ans.(d)
Sol. Proton is discovered by Rutherford.

S222. Ans.(b)
Sol. Opposite letters pairs.

S223. Ans.(d)
Sol. Silicon is a semi-conductor and all others are good conductors.

S224. Ans.(c)
Sol. Except (c), all others follow +2 series.

S225. Ans.(b)
Sol. Add 1.5 in each term to get next.

S226. Ans.(c)
Sol. Every pair of letters increase by +3

S227. Ans.(b)
Sol. R(18) + A(1) + A(1) + M(13) = 33
R(18) + I(9) + T(20) + I(9) + K(11) + A(1) = 68
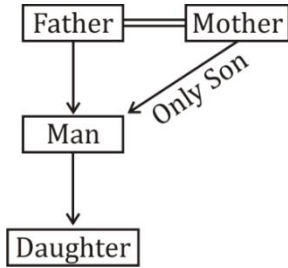P(16) + I(9) + H(8) + U(21) = 54

S228. Ans.(b)
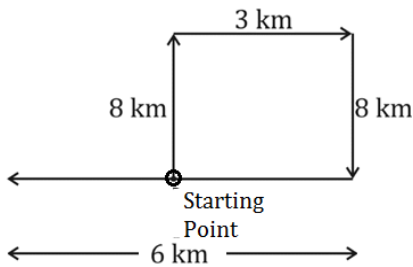**Sol.** $18 \div 6 \times 9 = 27$
$27 = 27$

S229. Ans.(b)
Sol.

S230. Ans.(c)
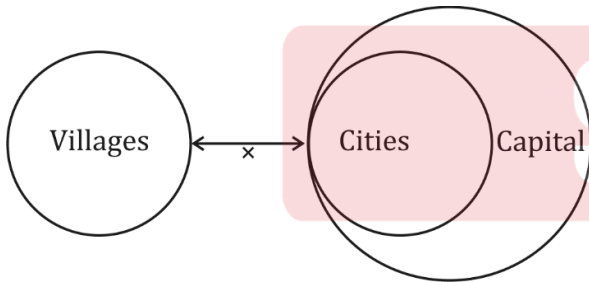**Sol.** A, B, G represent teachers who are either Swimmers or Nurses.

S231. Ans.(b)
Sol.

She is in 3 km west from starting point.

S232. Ans.(b)
Sol. 'E' is not present in HUMBLING.

S233. Ans.(b)
Sol.

I ×
II ✔

S234. Ans.(c)
Sol.
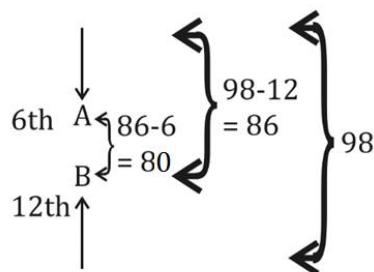
S235. Ans.(b)
Sol. $(6 \times 5) + (8 \times 3) = 54$
$(9 \times 7) + (3 \times 2) = 69$
Similarly,
$(5 \times 4) + (2 \times 1) = 22$

S236. Ans.(b)
Sol. Correct dictionary sequence :-
5. Science
4. Scramble
3. Script
1. Scripture
2. Scrutiny

S237. Ans.(b)

S238. Ans.(b)
Sol. 16 triangles

S239. Ans.(d)

S40. Ans.(c)
Sol. $8 \times 3 = 24$; $8 \times 3^2 = 72$; $8 \times 3^3 = 216$
$12 \times 3 = 36$; $12 \times 3^2 = 108$; $12 \times 3^3 = 324$
$14 \times 3 = 42$; $14 \times 3^2 = 126$; $14 \times 3^3 = 378$

S241. Ans.(b)
Sol. Teacher is related to School, in the same way as banker is related to bank

S242. Ans.(d)
Sol. Except option (d); all others are mobile phone networks.

S243. Ans.(a)
Sol. Each term follow (+2, -1, +3) pattern.

S244. Ans.(b)
Sol. ×2 +2 pattern

S245. Ans.(a)
Sol. +1, +2, +3, +4, +5, +6 pattern follows

S246. Ans.(d)
Sol. Correct sequence is Stone Age, Metallic Age, Alloy Age, Atomic Age.

S247. Ans.(b)
Sol.

S248. Ans.(a)
Sol. Only assumption I can be inferred.
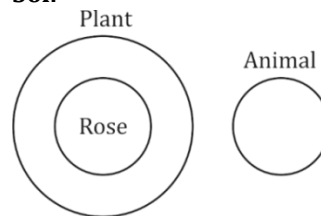
S249. Ans.(c)

S250. Ans.(d)
Sol. Pankaj > Pramod >Vinod > Usha >Priyanka
So, Pankaj is tallest.

S251. Ans.(c)

S252. Ans.(b)

S253. Ans.(a)

S254. Ans.(c); 19th June → Monday
Number of days after 19th June to 17th Nov
= 11 + 31 + 31 +30 + 31 + 17 = 151
∴ Number of odd days $= \frac{151}{7}$= 4 odd days
∴ Nishith's birthday on 17 Nov
∴ 17 Nov = Monday + 4
= Friday

S255. Ans.(d);
Sol. Pair of opposite letters.

S256. Ans.(d);
Sol. 50 + 5 – 700 × 28
⇒ 50 × 5 + 700 ÷ 28
⇒ 50 × 5 + 25
⇒ 250 + 25
⇒ 275

S257. Ans.(c);
Sol.
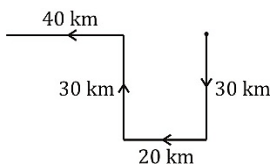
He is in the west direction with reference to the starting point.

S58. Ans.(c)
Sol. Only son of woman's grandfather means woman's father; Man's brother's father means man's father. So, the woman is the sister of the man.
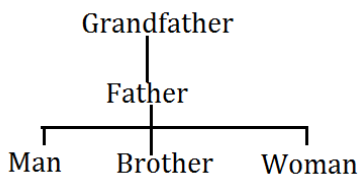
S259. Ans.(a)
Sol. a <u>a</u> / b <u>b</u> / c c / <u>a</u> a / <u>b</u> b / <u>c</u> c

S260. Ans.(a)
Sol.
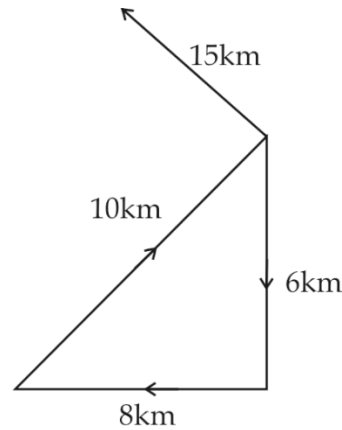
He is at a distance of 15 km from original position.

S261. Ans.(d)
Sol.
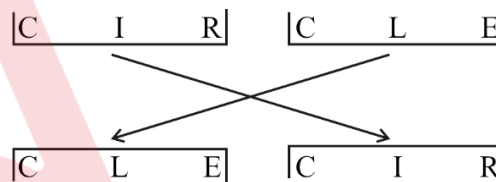
S262. (b)
Sol. 9 + 8 + 9 = 26
8 + 6 + 8 = 22

S263. Ans.(b)
Sol. Neha is senior
Neha > Shubham > Sonam > Nimisha > Ishant.

S264. Ans.(a)
Sol.
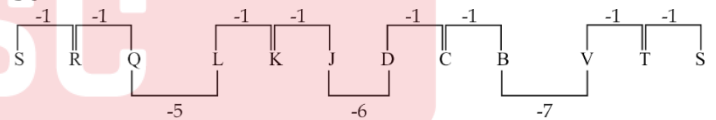
S265. Ans.(c)
Sol.
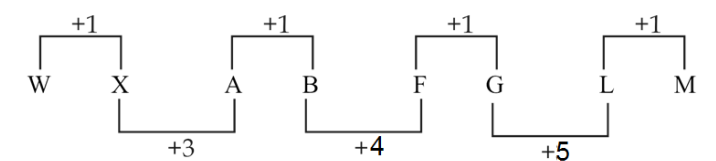
S266. Ans.(b)
Sol.
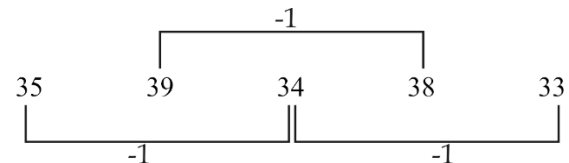
S267. Ans.(c)

S268. Ans.(c)

S269. Ans.(d)
Sol. 1265 > 1019
1st 2nd

S270. Ans.(a)
Sol. 72 ÷ 24 × 3 – 7 + 2 = 3 × 3 – 7 + 2 = 4

S271. Ans.(b)

S272. Ans.(b)
Sol. 12 – 6 × 5 + 20 ÷ 4 = 31
⇒ 12 – 6 + 5 × 20 ÷ 4 = 31
⇒ 12 – 6 + 5 × 5 = 31
⇒ 12 – 6 + 25 = 31
⇒ 37 – 6 = 31
⇒ 31 = 31

S273. Ans.(d)
Sol.
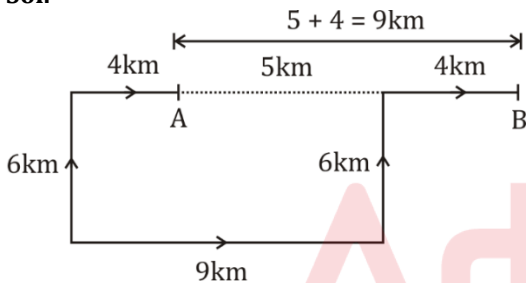
∴ Truck B is at 9km east with respect to A.

S274. Ans.(b)
Sol. aba/aba/aba/aba
S275 Ans.(a)
Sol. +2, +3, +4, +5 pattern

S276. Ans.(d)
Sol. Correct sequence of yugas according to vedas is
Satya – yuga → Treta – yuga → Dvapara – yuga →
Kali – yuga

S277. Ans.(a);
Sol. $\frac{14 \times 14}{2}$ = 98
$\frac{11 \times 12}{2}$ = 66
$\frac{15 \times 16}{2}$ = 120

S278. Ans.(d)

S279. Ans.(b)
**Sol.** $\theta° = \frac{1}{2}[60h - 11m]$
$\theta° = \frac{1}{2}[60 \times 11 - 11 \times 30]$
⇒ [330 – 165] ⇒ 165°

S280. Ans.(a)
Sol.
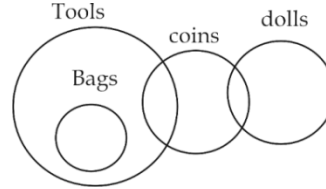
S281. Ans.(c)
Sol. Both are synonyms

S282. Ans.(a)
Sol. 4 × 7 = 28
Similarly, 13 × 7 = 91

S283. Ans.(d)
Sol. 7 – 4 = 3 ; 13 – 10 = 3
21 – 18 = 3 ; 27 – 23 = 4 ≠ 3

S284. Ans.(a)
Sol. +4, +2, +5 pattern

S285. Ans.(b)
Sol. (+1, +1, +1, +1) pattern with second alphabet in upper case.

S286. Ans.(a)
Sol. Difference of 10, 15, 20 and 25

S287. Ans.(c)
Sol.
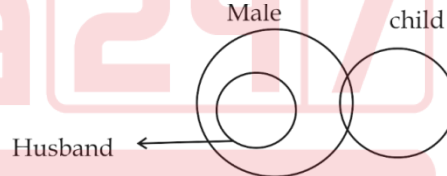
S288. Ans.(c)
Sol.
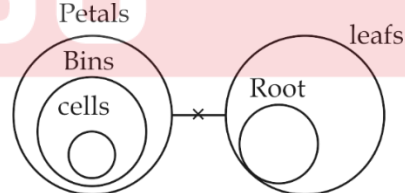
S289. Ans.(a)
Sol. Removing the vowels and writing the word in reverse.

S290. Ans.(d)
Sol.
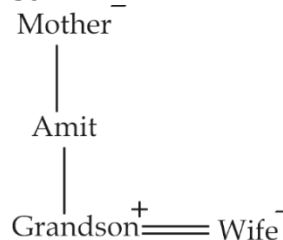
S291. Ans.(a)
Sol. $7 \times 14 \div 2 - 48 + 4$
$\Rightarrow 49 - 48 + 4 = 5$

S292. Ans.(a)
Sol.

Odd Number	7	Even Number

2 times 7 follow required condition.

S293. Ans.(b);

S294. Ans.(b);

S295. Ans.(c)
Sol. C J K

S296. Ans.(c)
Sol. Total numbers of girls in the row
$= 23 + 37 - 1$
$= 59$

S297. Ans.(c)
Sol. $80 + 20 \div 5 - 12 \times 92$
Atq,
$80 \div 20 - 5 \times 12 + 92$
$= 4 - 60 + 92$
$= 96 - 60 = 36$

S298. Ans.(d)
Sol.
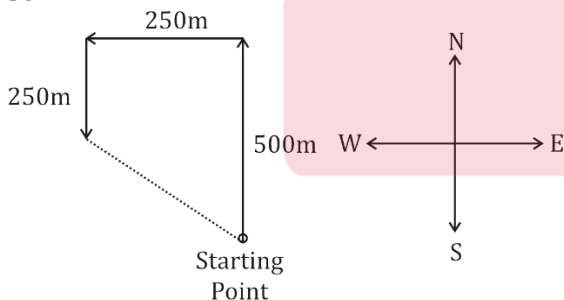
She is in North-west from her starting point.

S299. Ans.(b)
Sol. $3^3 \rightarrow 27$
$4^3 + 1 \rightarrow 65$
Similarly, $4^3 \rightarrow 64$
$5^3 + 1 \rightarrow 126$

S300. Ans.(a)
Sol. uvwv,
uvwwvu/uvwwvu/uvw

S301. Ans.(d)
Sol. Satyajit Ray was a film director, writer, and composer of music in India.
- For films such as The Apu Trilogy (1955–59), The Music Room (1958), The Big City (1963), and Charulata (1964), he is generally considered to have been one of the greatest filmmakers of all time.
- In Calcutta, Ray was born into a Bengali Kayastha family that was influential in the field of literature and arts. After meeting the French filmmaker Jean Renoir and seeing Vittorio De Sica's Italian neorealist film Bicycle Thieves (1948) during a visit to London, he was drawn into independent filmmaking after beginning his career as a commercial artist.
- In his career, he won several important awards, including 32 National Indian Film Awards, a Golden Lion, a Golden Bear, 2 Silver Bears, a variety of additional awards at international film festivals and ceremonies, and an Honorary Academy Award in 1992.
- He was honoured in 1992 by the Government of India with the Bharat Ratna, the highest civilian award.

S302. Ans.(d)
Sol. Pablo Picasso (25 October 1881 – 8 April 1973) was a Spanish painter, sculptor, printmaker, ceramicist, stage designer, poet, and playwright who spent most of his adult life in France.

S303. Ans.(b)
Sol. Ganesh Vasudev Mavalankar was the first Speaker of Lok sabha.
- Ganesh Vasudev Mavalankar was popularly known as Dadasaheb.
- G.V Mavalankar's term was from 15 May 1952 – 27 February 1956
- M. A. Ayyangar was the second Speaker of Lok Sabha.

S304. Ans.(c)
Sol. When Bleaching powder or calcium hypochlorite $Ca(Clo)_2$ reacts with water, it hydrolyzes further to Hydrochloric Acid (HCl), releasing the strong smell due to **Chlorine**.
This chlorine acts as a disinfectant.

S305. Ans.(c)
Sol. The SI unit of resistance is the ohm (Ω). The unit 'ohm' is named after famous German physicist Georg Simon ohm.
Ohm is the resistance provided by a body when 1-volt potential difference is applied across it and 1 Ampere of current is made to pass through it.

S306. Ans.(a)
Sol. The state government of Maharashtra has announced that renowned social worker, preacher, and reformer Dattatreya alias Appasaheb Dharmadikari will be honoured with Maharashtra Bhushan award for the year 2022.
Details:
- The Maharashtra Bhushan award comprises a medal, a citation, and Rs 25 lakh, which will be conferred to Appasaheb at a function later in the year.
- Appasaheb was honoured with Padmashri in 2017.

Details Related to Options:
- V Madhusoodanan Nair Jnanappana Award - 2023
- Sajjan Jindal EY Entrepreneur of the Year 2022
- Hari Balakrishnan Marconi Prize 2023

S307. Ans.(d)
Sol. Cyclone Gabrielle recently strike the coast of the nation, and residents of Auckland, the largest city in New Zealand.

S308. Ans.(b)
Sol. Article 370 was removed on 31st October 2019.
Details:
- Article 370 granted Jammu and Kashmir the authority to internal administrative autonomy while it was governed by India as a state from 1952 until 31 October 2019.
- Jammu and Kashmir, which is part of the wider area of Kashmir and is situated in the northern section of the Indian subcontinent and has been the subject of a conflict between India, Pakistan, and China since 1947, was granted special status under Article 370 of the Indian constitution.
- Article 370 granted Jammu and Kashmir the authority to have a separate constitution, a state flag, and internal administrative autonomy while it was governed by India as a state from 1952 until 31 October 2019.

S309. Ans.(b)
Sol. Maharashtra topped the medal tally of the fifth edition of the Khelo India Youth Games.
Details:
- The fifth edition of the Khelo India Youth Games concluded on February 11.
- In the Khelo India Youth Games – 2022, Maharashtra was the overall champion by securing a total of 161 medals including 56 gold, 55 silver and 50 bronze medals.
- On the other hand, Haryana has been at the second position by getting a total of 128 medals including 41 gold, 32 silver and 55 bronze. Host Madhya Pradesh finished third with 96 medals including 39 gold.

S310. Ans.(d)
Sol. Alluvial soils are formed mainly due to silt deposited by Indo-Gangetic Brahmaputra rivers. In coastal regions, some alluvial deposits are formed due to wave action.
It is rich in Potash and the colour of this soil varies from light grey to ash.
Crop supported: rice, maize, wheat, sugarcane, oilseeds, etc.
It is suitable for the growth of a wide variety of Rabi and Kharif crops such as Wheat, Rice and Cash Crops like Sugarcane.

S311. Ans.(d)
Sol. In India, two different types of alluvial soils have developed viz. bhangra and khaddar.
Khadar and Bangar are terms used in the Indo-Gangetic plains of North India and Pakistan to differentiate between two types of river plains and alluvial soils.

S312. Ans.(a)
Sol. The first Finance Minister of independent India was R. K. Shanmukham Chetty. He presented the first Union budget of India on 26 Nov.1947. The first mini-budget was presented by T. T. Krishnamachari on November 30, 1956.

S313. Ans.(c)
Sol. In the 75th year of our Independence, the world recognised the Indian economy as a 'bright star'. Our current year's economic growth is estimated to be at 7 per cent.

S314. Ans.(b)
Sol. The Swadeshi Boycott Movement is related to the Partition of Bengal in 1905. The Indian National Congress began the Swadeshi movement that included boycotting British goods and public institutions.

S315. Ans.(d)
Sol. The Mutiny of 1857 was described as the First Indian War of Independence by V D Savarkar. It began on May 10, 1857.
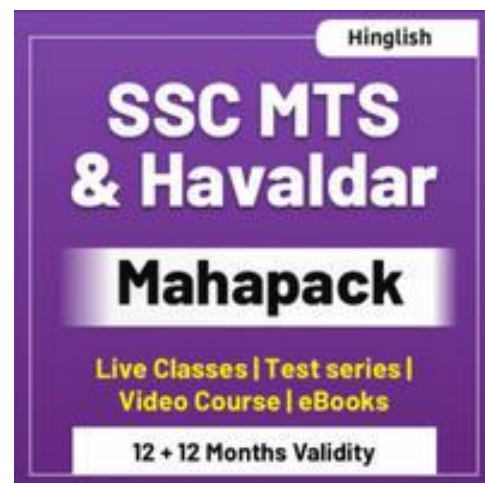
S316. Ans.(d)
Sol. On 8 August 1942 at the All-India Congress Committee session in Bombay, Mohandas Karamchand Gandhi launched the 'Quit India' movement. In his speech at Mumbai's Gowalia Tank, Gandhiji called the nation to 'Do or Die' in his speech.

S317. Ans.(b)
Sol. The Fundamental Duties of citizens were added to the Constitution by the 42nd amendment in 1976.

S318. Ans.(c)
Sol. Finance Bill is a bill introduced every year in Lok Sabha immediately after the presentation of the Union Budget, to give effect to the financial proposals of the Government of India.

S319. Ans.(b)
Sol. The minimum age laid down for candidates to seek election to Lok Sabha is 25 years.

S320. Ans.(b)
Sol. A H Taylor and Leo C Young are inventors of the first true radar.

S321. Ans.(d)
Sol. Scurvy is a disease resulting from a lack of vitamin C.

S322. Ans.(a)
Sol. Hyperglycemia is an abnormally high blood glucose level. Hyperglycemia is a hallmark sign of diabetes.

S323. Ans.(d)
Sol. Vermiculture means worm growing or worm farming. When earthworms are used primarily for the production of compost, the practice is referred to as vermicomposting.

S324. Ans.(c)
Sol. 'The Substance and the Shadow' is the autobiography of Veteran Actor Dilip Kumar.
- The Book was written by the film journalist Udaya Tara Nayar.
- Mohammed Yusuf Khan, popular as Dilip Kumar, was an Indian actor and film producer who worked in Hindi cinema.
- He is referred to as the "Tragedy King" and "The First Khan" of Bollywood.

S325. Ans.(b)
Sol. Planned economic development in India began in 1951 with the inception of the First Five-Year Plan.
- The first Indian prime minister, Jawaharlal Nehru, presented the First Five-Year Plan.
- PM Narendra Modi dissolved the Planning Commission and replaced it with a think tank NITI Aayog in 2015.

S326. 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.

S327. Ans.(a)
Sol. Ellora Ajanta International Festival 2023 was held in Maharashtra.
Additional Info-
- The Ajanta Ellora International Festival 2023 festival is a celebration of the cultural heritage and diversity of the region and promises to be a feast for the senses.
- The festival showcases the Ellora and Ajanta caves 'artwork and architecture, as well as performances by local and international artists.
- Ellora is a UNESCO World Heritage Site located in the Aurangabad district of Maharashtra, India.
- The Ajanta Ellora International Festival was first launched in 1985.

S328. Ans.(a)
Sol. Dadabhai Naoroji served three times as a president of the session of the Indian National Congress i.e., the Kolkata session of 1886, the Lahore session of 1893, Kolkata session of 1906, where the idea of "Swaraj" was used for the first time. He is known as the Grand Old Man of India.
He was the first Indian who was a member of Parliament in the United Kingdom House of Commons between 1892-95.
He was also the first Asian to be a British MP. He was also one of the founding members of the Indian National Congress.
His book 'Poverty and Un-British Rule in India' brought attention to his 'DRAIN OF WEALTH' theory from India to British.

S329. Ans.(c)
Sol. Carotenoid helps to trap light energy that is essential for photosynthesis.
- Carotenoids, also called tetraterpenoids, are yellow, orange, and red organic pigments that are produced by plants and algae, as well as several bacteria, and fungi.
- Carotenoids serve two key roles in plants and algae: they absorb light energy for use in photosynthesis, and they provide photoprotection via non-photochemical quenching.

S330. Ans.(b)
Sol. From the given options, A Suitable Boy is not written by Amitav Ghosh.
- Amitav Ghosh is an Indian writer. He won the 54th Jnanpith award in 2018, India's highest literary honor.
- His first novel The Circle of Reason was published in 1986. His other works are - The Shadow Lines and The Glass Palace etc.

S331. Ans.(b)
Sol. The equipment bolt is used in Mountaineering.
 Bolts are used in sport climbing as a backup to catch a fall, but not to aid ascent, whereas in aid climbing they can be used to aid ascent.

S332. Ans.(b)
Sol. Padma Shri awardee Guru Amubi Singh has been conferred the award for his significant
contributions to the Indian classical dance form of Manipuri.
 He was honoured by the Government of India in 1970 with Padma Shri, the fourth highest Indian civilian award.

S333. Ans.(d)
Sol. In the year 2019, Finance Minister Nirmala Sitharaman replaced the Budget briefcase with the traditional 'Bahi Khata' having the National Emblem.

S334. Ans.(c)
Sol. The Centre has pegged the fiscal deficit for 2022-2023 and 5.9 percent of GDP for FY24, Finance Minister Nirmala Sitharaman said during her Union Budget speech.

S335. Ans.(c)
Sol. Former IAS officer BVR Subrahmanyam was appointed as the new Chief Executive Officer of Niti Aayog.

S336. Ans.(b)
Sol. The Kashmiri Files won the Best Film Award at the Dadasaheb Phalke Award 2023.

S337. Ans.(b)
Sol. Yaya Tso, known as birds' paradise for its beautiful lake located at an altitude of 4,820 metres, has been proposed as Ladakh's first biodiversity heritage site (BHS).
Details:
- The Biodiversity Management Committee, the panchayat of Chumathang village, along with the SECURE Himalaya Project recently resolved to declare Yaya Tso as Ladakh's first BHS under the Biological Diversity Act.

S338. Ans.(b)
Sol. The name of this Satellite is "NISAR".
Details:
National Aeronautics and Space Administration (NASA) and the Indian Space Research Organization (ISRO), jointly developed an Earth-observation satellite, called NISAR (NASA-ISRO Synthetic Aperture Radar), got a send-off ceremony at the American space agency's Jet Propulsion Laboratory (JPL) in Southern California.

S339. Ans.(d)
Sol. As part of "Operation Dost," India is deploying a field hospital, supplies, and rescue personnel to the earthquake-stricken countries of Turkey and Syria.
Turkey Static Facts:
- Capital: Ankara
- Currency: Lira

S340. Ans.(c)
Sol. The Norwegian Nobel Committee declared Belarusian activist Ales Bialiatski, the Russian human rights organization Memorial, and the Ukrainian NGO Center for Civil Liberties (CLL) as the winners of the 2022 Nobel Peace Prize. The three of them have been awarded for "outstanding effort to document war crimes, human rights abuses, and abuse of power".

S341. Ans.(a)
Sol. The International Union for Conservation of Nature (ICUN) is an international organization working in the field of nature conservation and sustainable use of natural resources.
- The organization is best known to the wider public for compiling and publishing the IUCN Red List of Threatened Species, which assesses the conservation status of species worldwide.
- It is headquartered in Gland, Switzerland, and founded on 5 October 1948.

S342. Ans.(d)
Sol. India will host the Women's 50-over World Cup in 2025.
- The last time a women's 50-over World Cup was held in India was back in 2013 when Australia won the cup after beating the West Indies by 114 runs in the final in Mumbai.
- Bangladesh will host the 2024 T20 World Cup.

S343. Ans.(a)
Sol. "**Freedom at Midnight**" author **Dominique Lapierre** has passed away recently.
Details:
- Lapierre's works, in collaboration with the American writer Larry Collins, became bestsellers such that they sold about 50 million copies of the six books he wrote.
- Books co-authored by Dominique Lapierre and Larry Collins-
  1) Is Paris Burning?
  2) Jerusalem,
  3) The Fifth Horseman,
  4) Is New York Burning?
  5) City of Joy
  6) Freedom at Midnight.

S344. Ans.(d)
Sol. '**Goa Liberation Day**' is celebrated on **December 19** to commemorate the state's liberation from Portuguese rule in 1961.
Additional Information-
The **Annexation of Goa** was the process in which the Republic of India annexed the then-Portuguese Indian territories of **Goa, Daman, and Diu**, starting with the armed action carried out by the Indian Armed Forces in **December 1961.** In India, this action is referred to as the "**Liberation of Goa**".

- The "armed action" was code-named **Operation Vijay** (meaning "Victory" in Sanskrit) by the Indian Armed Forces. It involved air, sea, and land strikes for over 36 hours, and was a decisive victory for India, ending 451 years of rule by Portugal.

S345. Ans.(b)
Sol. China has the maximum number of neighbours touching its border. The 14 countries touching its border are India, Pakistan, Afghanistan, Tajikistan, Kyrgyzstan, Kazakhstan, Mongolia, Russia, North Korea, Vietnam, Laos, Myanmar, Bhutan, and Nepal.

S346. Ans.(d)
Sol. The Richter scale was invented, logically enough, in the 1930s by Dr. Charles Richter, a seismologist at the California Institute of Technology. It is a measure of the largest seismic wave recorded on a particular kind of seismograph located 100 kilometers (about 62 miles) from the epicenter of the earthquake.

S347. Ans.(d)
Sol. Amending the Constitution of India is the process of making changes in the supreme law of the land. The procedure of amendment in the constitution is laid down in Part XX (Article 368) of the Constitution of India.

S348. Ans.(d)
Sol. Chuar Rebellion occurred in 1798-99 in the Bankura / Midnapore districts of modern West Bengal. The Munda rebellion took place in the region south of Ranchi in 1899-1900. Santhal Revolt took place in 1855. The Vellore mutiny on 10 July 1806 was the first instance of a large-scale and violent mutiny by Indian sepoys against the East India Company.

S349. Ans.(b)
Sol. During the Maratha period, Patil was the officer responsible for the village administration.

S350. Ans.(a)
Sol. Carbon-based fuel is any fuel principally from the oxidation or burning of carbon. Copper is used in making electric wire, Iron is used in making Machinery parts, and Aluminum sheets are used for wrapping and storing food items.

S351. Ans.(d)
Sol. The Kakori Conspiracy was a train robbery that took place at Kakori near Lucknow, on 9 August 1925 during the Indian Independence Movement. The robbery was organized by the Hindustan Republican Association (HRA). The robbery was conceived by Ram Prasad Bismil and Ashfaqullah Khan who belonged to the HRA.

S352. Ans.(c)
Sol. Sir Surendranath Banerjee was one of the earliest Indian political leaders during the British Raj. He went on to write the widely acclaimed "A Nation in Making" published in 1925.

S353. Ans.(b)
Sol. Macaulay's Minutes of 1835 laid the foundation of modern education through the English Education Act of 1835.

S354. Ans.(d)
Sol. The ozone layer acts as a filter for the shorter wavelength and highly hazardous ultraviolet radiation (UVR) from the sun, protecting life on Earth from its potentially harmful effects.

S355. Ans.(c)
Sol. The Black Hills are a small and isolated mountain range rising from the Great Plains of North America in western South Dakota and extending into Wyoming, United States. The Green Hill Site is a prehistoric archaeological site in Canton, Massachusetts. Blue Hill is a town in Hancock County, Maine, United States.

S356. Ans.(b)
Sol. The outermost range of the Himalayas is called Shiwaliks.

S357. Ans.(b)
Sol. Godavari is the longest river in peninsular India. It originates from Triambakeshwar, Nasik (Maharashtra), and covers a total of 1465 kilometers during its journey through the states of Chhattisgarh, Telangana, and Andhra Pradesh, before discharging into the Bay of Bengal.

S358. Ans.(c)
Sol. The Rajasthan Atomic Power Station is located at Rawatbhata in the state of Rajasthan, India.

S359. Ans.(d)
Sol. The cuboidal epithelium consists of cubical cells. It is found in the lining of the kidney tubules, salivary glands, and thyroid glands, where it provides mechanical support.

S360. Ans.(d)
Sol. The fungal cell wall is composed of chitin, glucans, polysaccharides and mucopolysaccharides, waxes, and pigments.

S361. Ans.(d)
Sol. The Union Cabinet has given ex-post facto approval for the naming of Greenfield International Airport at Goa's Mopa as Manohar International Airport, after former defence minister and Goa chief minister Manohar Parrikar.
Details:
- The airport at Mopa, Goa was inaugurated by Prime Minister Narendra Modi in December, 2022.
- The airport has been named after late Manohar Parrikar in recognition of his contribution in building up modern Goa.

S362. Ans.(c)
Sol. According to the latest Henley Passport Index, Japan has retained its position as the most favorable passport in the world, allowing visa-free entry to 193 global destinations.
Details:
- Japan tops for the fifth consecutive year.
- Singapore and South Korea came in a joint second on the ranking, followed by Germany and Spain, and then a slew of other European nations.
- The Indian passport was ranked 85th, giving visa-free entry to 59 destinations worldwide.
- In 2019, 2020, 2021, and 2022, the country ranked at 82nd spot, 84th, 85th, and 83rd respectively.

S363. Ans.(d)
Sol. Water is not a part of the eight infrastructure sectors.
Details:
- Production of eight infrastructure sectors increased by 5.4 percent in November against a 3.2 percent growth in the same month last year on a better show by coal, fertiliser, steel, cement, and electricity segments.
- Crude oil, natural gas and refinery products, however, recorded negative growth in November this year.
The Eight Core Infrastructure Sectors are:
1. Refinery Products
2. Electricity
3. Steel
4. Coal
5. Crude Oil
6. Natural Gas
7. Cement
8. Fertilizer

S364. Ans.(c)
Sol. 25th December is celebrated as Gwalior Gaurav Diwas.
Details:
- Gwalior Gaurav Diwas is celebrated on the birth anniversary of Bharat Ratna Atal Bihari Vajpayee.
- He is also known as the son of Gwalior. Gwalior Gaurav Diwas is celebrated on 25th December.
- Atal Bihari Vajpayee was born in Gwalior on 25th December 1924 and is known as the pride of Gwalior.

Details Related to Options:
- 1st January: DRDO Day
- 4th January: World Braille Day
- 12th January: National Youth Day
- 12th December: Universal Health Coverage Day

S365. Ans.(b)
Sol. Libreville is the capital of Gabon.
Details Related to Options:
- N'Djamena Capital of Chad
- Juba Capital of South Sudan
- Kigali Capital of Rwanda
- Gitega Capital of Burundi

S366. Ans.(c)
Sol. The G20 was founded in 1999.
Details:
- The G20 was founded in 1999 after the Asian financial crisis as a forum for Finance Ministers and Central Bank Governors to discuss global economic and financial issues.
- The G20 Summit is held annually, under the leadership of a rotating Presidency.
- This year India has the presidency of the G-20.

S367. Ans.(b)
Sol. The finance minister proposed to reduce the highest surcharge rate from 37 per cent to 25 per cent in the new tax regime.

S368. Ans.(b)
Sol. Many nuclear reactors use graphite as a moderator. Graphite is not as effective as heavy water, but it is cheaper and it also has a low degree of neutron capture like heavy water.

S369. Ans.(a)
Sol. South Korea also celebrates Independence Day on the 15th of August.

S370. Ans.(d)
Sol. Gardner was not written by R.K. Narayan
- R. K. Narayan was an Indian writer known for his work in the fictitious South Indian town of Malgudi.
- He was honoured with the Padma Vibhushan and the Padma Bhushan.

S371. Ans.(c)
Sol. Dronacharya Award is an award given in the field of sports to coaches for their outstanding performance.
- It is awarded by the Ministry of Youth Affairs and Sports.
- The award carries a cash prize of Rs 15 lakh, a bronze statue of Dronacharya and a scroll of honour.

S372. Ans.(a)
Sol. Mercury is a chemical element with the symbol (Hg). Mercury is used in thermometers due to its special properties. Mercury is a good conductor of heat.

S373. Ans.(b)
Sol. The Constitution of India was drafted by the Constituent Assembly, and it was implemented under the Cabinet Mission Plan on 16 May 1946.

S374. Ans.(b)
Sol. Right to constitutional remedies under Article 32 in Part III of the Indian Constitution allows citizens to move the court if they believe that any of their Fundamental Rights have been violated by the state.

S375. Ans.(b)
Sol. Governor shall a term of five years from the date on which he enters upon his office, he holds office during the pleasure of the President.

S376. Ans.(b)
Sol. A stone thrown up in the air at an angle is an example of Projectile motion. Thus, from the given options, option (b) is not matched correctly.
- Projectile motion is the motion of an object thrown (projected) into the air.
- Gravitational forces acting on objects resulting in free fall is an example of rectilinear motion. The motion of planes in the sky is a rectilinear motion.

S377. Ans.(a)
Sol. 'The Great Indian Novel', a satirical novel that recreates the Hindu epic Mahabharata
within the context of the Indian National Movement, is written by Shashi Tharoor.
- Shashi Tharoor is an Indian former international civil servant, diplomat, bureaucrat and politician, writer, and public intellectual who has been serving as a Member of Parliament for Thiruvananthapuram, Kerala, since 2009.

S378. Ans.(c)
Sol. Cobalt is a chemical element with the symbol Co and atomic number 27.
- Cobalt belongs to Group 9 of the Periodic Table. Elements from Group 9 are also known as Transition metals.
- Members of Group 9 include cobalt (Co), rhodium (Rh), iridium (Ir), and meitnerium (Mt).

S379. Ans.(b)
Sol. A Shot at History: My Obsessive Journey to Olympic Gold is a 2011 autobiography of Indian 2008 Summer Olympics Gold medalist Abhinav Bindra.
He won the medal in the 10-meter air rifle category, which made him India's first-ever individual gold medalist.

S380. Ans.(d)
Sol. WINTER Olympics 2026 will be hosted by Italy.
- The event is scheduled to take place from 6 to 22 February 2026.
- The event will have the Italian cities of Milan and Cortina d'Ampezzo as the main host cities.

S381. Ans.(b)
Sol. Salim Ali, one of the greatest ornithologists and naturalists of all time, is also known as the "birdman of India".
- He was born in Mumbai on 12th November 1896, Salim Moizuddin Abdul Ali was not only a bird lover but also a naturalist.
- He was the first to conduct a systematic birds survey across India and wrote several bird books that popularized ornithology in India
- His research work is considered highly influential in the development of ornithology.
- An unlikely parliamentarian, he was nominated to the Rajya Sabha in 1985.
- Dr. Salim Ali passed away in 1987 at the age of 91.

S382. Ans.(c)
Sol. According to Article 164 of the Indian Constitution, the Chief Minister shall be appointed by the governor.
- In the history of independent India, the first woman Chief Minister was Sucheta Kriplani of the Indian National Congress (INC).
- In October 1963, she became the Chief Minister of Uttar Pradesh, the first woman to hold that position in any Indian state.
- He serves as the head of the Uttar Pradesh government from 1963 to 1967.
- She came from present-day Haryana and is celebrated for her pivotal role in the Quit India Movement in 1942.

S383. Ans.(c)
Sol. Baldev Singh was an Indian Sikh political leader, he was an Indian independence movement leader and the first Defence Minister of India.

S384. Ans.(d)
Sol. IPCC stands for Intergovernmental Panel on Climate Change.
- The panel was established in 1988 jointly by the World Meteorological Organisation and the United Nations Environment Programme.
- Currently, 195 nations are members of the IPCC.
- IPCC is headquartered in Geneva, Switzerland.
- IPCC provides information and assistance to various governments worldwide to formulate climate policies.
- It prepares Assessment reports regarding Climate Change, its impacts, causes and response options.

S385. Ans.(a)
Sol. The headquarters of the World health organisation (WHO) is located in Geneva, Switzerland.
- WHO was established on 7 April 1948.
- The World Health Organization (WHO) is a specialized agency of the United Nations that is concerned with international public health.

S386. Ans.(b)
Sol. The author of the book "Zest for Life" is Emile Zola. He was a French novelist, journalist, and playwright.

S387. Ans.(b)
Sol. Minority Rights Day is observed on December 18.
- Minorities Rights Day is celebrated by the National Commission for Minorities in India.
- United Nations on 18 December 1992 adopted and broadcast the Statement on the individual's Rights belonging to religious or Linguistic National or Ethnic Minorities
- The Union Government established the National Commission for Minorities (NCM) under the National Commission for Minorities Act, 1992.

S388. Ans.(a)
Sol. India's first air-conditioned double-decker electric bus was inducted into the fleet of BEST in Mumbai.
Details:
- This air-conditioned double-decker electric bus is likely to ply on the routes in suburbs where conventional double-decker buses that run on diesel are currently operated.

S389. Ans.(b)
Sol. Debashish Panda is the chairperson of the Insurance Regulatory Development Authority of India.
Details About IRDAI:
- The Insurance Regulatory and Development Authority of India is a regulatory body under the jurisdiction of the Ministry of Finance, Government of India, and is tasked with regulating and licensing the insurance and re-insurance industries in India.
- It was founded in 1999.
- Debashish Panda is the chairperson of IRDAI.

S390. Ans.(a)
Sol. Ministry of Tribal Affairs will be organising Aadi Mahotsav – National Tribal Festival at Major Dhyan Chand National Stadium, New Delhi.
Additional Info-
- To provide direct market access to the tribal mastercraftsmen and women in large metros and State capitals.

- Theme: "A Celebration of the Spirit of Tribal Crafts, Culture, Cuisine and Commerce".
- Nodal Agency: Tribal Co-operative Marketing Federation of India.
- Participation: More than 1000 tribal artisans and artists from 28 States/UTs will be participating in the festival.
- Tribal Freedom Fighters Gallery will be set up to showcase stories of Tribal Freedom fighters.

S391. Ans.(c)
Sol. Virat Kohli becomes the 6th batter to score 25,000 runs in international cricket. The other five batsmen who have achieved this feat are Sachin Tendulkar, Ricky Ponting, Kumar Sangakkara, Jacques Kallis, and Brian Lara.

S392. Ans.(b)
Sol. The Salt March, also known as the Dandi March and the Dandi Satyagraha, was an act of nonviolent civil disobedience in colonial India led by Mohandas Karamchand Gandhi to produce salt from the seawater in the coastal village of Dandi.

S393. Ans.(c)
Sol. The Chauri Chaura incident occurred at Chauri Chaura in the Gorakhpur district of the United Province, (modern Uttar Pradesh) in British India on 5 February 1922, when a large group of protesters, participating in the Non-cooperation movement, clashed with police, who opened fire.

S394. Ans.(d)
Sol. The members of the gram panchayat are elected for a period of five years by the members of the Gram Sabha.

S395. Ans.(c)
Sol. Under the universal adult franchise, people of 18 years and above have the right to vote, irrespective of their social or economic backgrounds.

S396. Ans.(b)
Sol. The Nilgiri Biosphere Reserve is an International Biosphere Reserve in the Western Ghats and Nilgiri Hills ranges of South India. It was constituted as the first Biosphere Reserve by UNESCO in September 1986 under Man and Biosphere Programme.

S397. Ans.(a)
Sol. Green Revolution Intensive plan of the 1960s to increase crop yields in developing countries by introducing higher-yielding strains of plant and new fertilizers. The scheme began in Mexico in the 1940s and was successfully introduced in parts of India in the 1960s.

S398. Ans.(b)
Sol. Chilika lake is a brackish water lagoon, spread over the Puri, Khurda, and Ganjam districts of Odisha state on the east coast of India, at the mouth of the Daya River, flowing into the Bay of Bengal, covering an area of over 1,100 km².

S399. Ans.(a)
Sol. Concave mirrors are used to provide a magnified and inverted image in the rear-view mirror.

S400. Ans.(c)
Sol. The Surface tension of water provides the necessary wall tension for the formation of bubbles with soap water. The tendency to minimize that wall tension pulls the bubbles into spherical shape.