

DSSSB LDC Free Mock

Q1. According to recent data from the National Crime Records Bureau (NCRB), which city topped the list for food adulteration cases in 2022?

- (a) Mumbai
- (b) Kolkata
- (c) Hyderabad
- (d) Delhi

Q2. Which edition of Kashi Tamil Sangamam did Prime Minister Narendra Modi inaugurate?

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

Q3. In which state hosted Exercise AstraShakti-2023 where the SAMAR air defense missile system was tested?

- (a) Andhra Pradesh
- (b) Tamil Nadu
- (c) Maharashtra
- (d) Gujarat

Q4. What is the total length of the Eastern Dedicated Freight Corridor inaugurated by Prime Minister Narendra Modi?

- (a) 302 km
- (b) 402 km
- (c) 505 km
- (d) 410 km

Q5. Which Indian state has recently introduced a free bus travel scheme for women and transgenders?

- (a) Karnataka
- (b) Telangana
- (c) Maharashtra
- (d) Tamil Nadu

Q6. The 'Golden Owl' award has recently been in the news, is associated with ____.

- (a) Award given to medical professionals for their contribution in community health services
- (b) Award given to rat hole miners who rescued trapped worker in Uttarkashi Tunnel
- (c) Award given to forest officials for their contribution in management and protection of forest resources
- (d) Award given to Indian Armed forces undergoing leadership development programs

Q7. Which NTPC Power Plant received the FICCI Water Award 2023 for industrial water use efficiency?

- (a) NTPC Bongaigaon
- (b) NTPC Rihand
- (c) NTPC Ramagundam
- (d) NTPC Kanti

Q8. What is the function of guard cells of stomata?

- (a) Opening of stomata only
- (b) Closing of stomata only
- (c) Both opening and closing of stomata
- (d) Neither opening nor closing of stomata

Q9. Which of the following vitamins must be obtained from external sources as our body cannot produce them?

- (a) vitamin A
- (b) vitamin K
- (c) vitamin C
- (d) All of the above

Q10. Which metal is liquid at room temperature?

- (a) Mercury
- (b) Iron
- (c) Aluminum
- (d) Copper

Q11. Which period includes most of the man-made radioactive elements?

- (a) Second period
- (b) Fifth period
- (c) Sixth period
- (d) Seventh period

Q12. What is the force experienced by a charged particle moving through a magnetic field?

- (a) Electrical force
- (b) Gravitational force
- (c) Magnetic force
- (d) Nuclear force

Q13. The unit of which physical quantity is not Pascal?

- (a) Moment of inertia
- (b) Pressure
- (c) Stress
- (d) Young's modulus

Q14. Uplift of the backward classes was the main program of the—

- (a) Prarthana Samaj
- (b) Satya Shodhak Samaj
- (c) Arya Samaj
- (d) Ramakrishna Mission

Q15. The Morley-Minto reforms also known as Indian Council Act were passed in ____ during the tenure of Lord Minto.

- (a) 1910
- (b) 1909
- (c) 1919
- (d) 1918

Q16. Who amongst the following was the successor of Sikh Guru Har Krishan?

- (a) Guru Angad Dev
- (b) Guru Tegh Bahadur
- (c) Guru Hargobind
- (d) Guru Amar Das

Q17. Babur's autobiography, "Baburnama," was originally written in which language?

- (a) Persian
- (b) Chagatai Turkic
- (c) Urdu
- (d) Arabic

Q18. Against whom Skandagupta had to wage long wars on the North West border?

- (a) Shakas
- (b) Yavanas
- (c) Huns
- (d) Greeks

Q19. Under the Nagara style of temple architecture, the mandap was known as _____

- (a) Pillar
- (b) Jagmohan
- (c) Bhumi
- (d) Amala

Q20. World Cancer Day is celebrated on _____.

- (a) February 1
- (b) February 4
- (c) February 6
- (d) February 8

Q21. Who invented the electrocardiogram (ECG)?

- (a) Willem Einthoven
- (b) Edward Jenner
- (c) Antonio de Ulloa and Charles Wood
- (d) Karl Benz

Q22. Where is the headquarters of the World Health Organization (WHO) located?

- (a) New York, USA
- (b) Geneva, Switzerland
- (c) Paris, France
- (d) London, United Kingdom

Q23. Which country has won the most FIFA World Cup titles?

- (a) Brazil
- (b) Germany
- (c) Argentina
- (d) Italy

Q24. Which Article of the Indian Constitution has provisions for a financial emergency?

- (a) Article 356
- (b) Article 360
- (c) Article 352
- (d) Article 350

Q25. Which of the following is not related to the Administrative Reform Commission?

- (a) Sarkaria Commission
- (b) Rajmanna Committee
- (c) Hanumantaiya Commission
- (d) West Bengal Remembrance Letter

Q26. Who was the Chairman of the first Finance Commission of India?

- (a) Mahavir Tyagi
- (b) K. Santhanam
- (c) K. C. Neogy
- (d) Y. B. Chavan

Q27. How many fundamental duties are provided by Part IVA of the Constitution of India?

- (a) 15
- (b) 10
- (c) 11
- (d) 14

Q28. Which article under DPSP proposes for the separation of the Judiciary from the executive?

- (a) Article 50
- (b) Article 51
- (c) Article 53
- (d) Article 49

Q29. What was the sex ratio of India in 2011?

- (a) 927 females per 1000 males
- (b) 933 females per 1000 males
- (c) 943 females per 1000 males
- (d) 947 females per 1000 males

Q30. Which of the following is a flagship scheme launched by the Government of India for rural development?

- (a) Swachh Bharat Abhiyan
- (b) Pradhan Mantri Jan Dhan Yojana
- (c) Digital India Programme
- (d) MGNREGA

Q31. Which one of the following Himalayan Rivers does NOT originate from across the Himalayas?

- (a) Indus
- (b) Brahmaputra
- (c) Satluj
- (d) Ganga

Q32. Which one of the following statements with regard to Jet stream, an upper level troposphere wave, is not correct?

- (a) Jet streams are typically continuous over long distances.
- (b) It follows the wave path near the tropopause at elevations of 8 km to 15 km.
- (c) In summer, the polar front jet achieves its maximum force.
- (d) It is a narrow band of high-velocity wind.

Q33. Which of the following is the highest navigable lake in South America?

- (a) Lake Titicaca
- (b) Lake Valencia
- (c) Brokopondo Reservoir
- (d) Lake Maracaibo

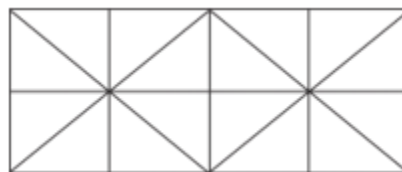
Q34. During the Indian monsoon season

- (a) the easterly jet stream alone exists in the Indian region
- (b) both westerly and easterly jet streams exist in the Indian region
- (c) both westerly and easterly jet streams disappear
- (d) the westerly jet stream alone exists in the Indian region

Q35. Which soil is highly rich in 'Potash and Lime'?

- (a) Red Soil
- (b) Alkaline Soil
- (c) Peaty Soil
- (d) Alluvial soil

Q36. How many triangles are there in the following figure?



- (a) 32
- (b) 33
- (c) 36
- (d) 35

Q37. Which number will come next in the following series?

52, 103, 184, ?, 460

- (a) 330
- (b) 301
- (c) 249
- (d) 337

Q38. Select the set of numbers that is similar to the following set of numbers.

{12, 47, 187}

- (a) {7, 27, 67}
- (b) {8, 31, 123}
- (c) {4, 15, 61}
- (d) {6, 20, 62}

Q39. In a certain code 'CAPTION' is written as 'YALHSMN'. Which word would be coded as 'LAPTOP'?

- (a) PALGNL
- (b) PLAMLN
- (c) PALHML
- (d) PLAHML

Q40. Find the odd one out.

- (a) 73: 55
- (b) 91: 82
- (c) 82: 53
- (d) 46: 37

Q41. If 'hee see pee' means 'Drink dark coffee', 'see tee lee' means 'coffee is sweet' and 'lee ree mee' means 'She is intelligent' then, which word in that language means 'Sweet'?

- (a) see
- (b) tee
- (c) lee
- (d) pee

Q42. If + denotes -, - denotes *, * denotes × and × denotes ÷, then what will be the value of

$37 + 35 \times 7 + 14 * 2$.

- (a) 2
- (b) 4
- (c) -2
- (d) -4

Q43. Select the option that is related to the third number in the same way as the second number is related to the first number.

3759: 44 :: 6948: ?

- (a) 52
- (b) 42
- (c) 34
- (d) 37

Q44. Which of the following option will replace the question mark (?) in the following series.

28, 38, 56, 82, ?

- (a) 98
- (b) 116
- (c) 118
- (d) 120

Q45. Two statements are given below followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts. which of the conclusion logically follow(s) from the statements.

Statements:

Some books are copy

All copy is pen

Conclusions:

I. Some pens are books

II. All pens are books

III. No pen is a books

- (a) Only conclusion I follows
- (b) Only conclusion II follows
- (c) Only conclusion I and III follows
- (d) Only conclusion II and III follows

Q46. Arrange the following words as per the dictionary order:

1. Governance
2. Goniometer
3. Government
4. Gooseberry

- (a) 2, 4, 3, 1
- (b) 1, 2, 3, 4
- (c) 3, 2, 4, 1
- (d) 2, 4, 1, 3

Q47. Among A, B, C, D and E each one of them is of different height, B is taller than only C. A is taller than B and E both but not as tall as D. Who among them is the third tallest?

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

Q48. Select the option that is related to the third term in the same way as the second term is related to the first term.

34: 1168: 52: ?

- (a) 2714
- (b) 2720
- (c) 2704
- (d) 2718

Q49. Select the option that is related to the third term in the same way as the second term is related to the first term.

PAGL: SWJH :: ONCY:?

- (a) SJKZ
- (b) SJJZ
- (c) RJFU
- (d) RJJY

Q50. 'Neeraj Chopra' is related to 'Haryana' in the same way as 'Hima Das' is related to -

- (a) Arunachal Pradesh
- (b) Nagaland
- (c) Manipur
- (d) Assam

Q51. In a certain code language, 'NORTH' is written as '225' and 'PEAT' is written as '129'. How will 'SOUTH' be written as in that language?

- (a) 175
- (b) 345
- (c) 249
- (d) 245

Q52. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter cluster.

Dengue: Insect :: Cholera: ?

- (a) Protozoa
- (b) Insects
- (c) Bacteria
- (d) Parasite

Q53. Select the letter from among the given options that can replace the question mark (?) in the following series.

TKL, WNO, YPQ, BST, DUV, ?

- (a) DTW
- (b) GXY
- (c) GYW
- (d) DWY

Q54. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

l _ kr _ _ p k _ o l _ _ ro

- (a) polrpk
- (b) plopkr
- (c) lovrpk
- (d) lopkpr

Q55. A man started running from his house towards the South. After 80 meters he turned left and ran for 65 meters. He then turned right and ran for 25 meters and again turned right to run 65 meters. What is the distance between his starting and end point?

- (a) 115
- (b) 100
- (c) 105
- (d) 55

Q56. Eight friends P, Q, R, K, T, U, V and W are sitting along a circular table facing towards the center. Q and R are sitting to the immediate left and immediate right of T respectively. V is sitting third to the left of R. P is sitting opposite of T. U and W are the neighbours of P. U is sitting second to the right of R. Who is sitting second to the right of P?

- (a) V
- (b) Q
- (c) K
- (d) W

Q57. Select the option that is related to the third term in the same way as the second term is related to the first term.

Biped: Birds :: Quadruped: ?

- (a) Fish
- (b) Snake
- (c) Cow
- (d) Cockroach

Q58. Select the option in which the given figure is embedded (rotation is NOT allowed).

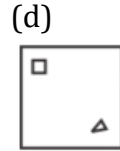
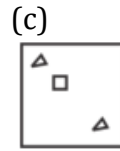
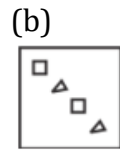


- (a)
- (b)
- (c)
- (d)

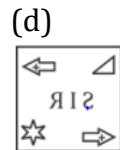
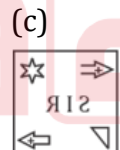
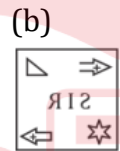
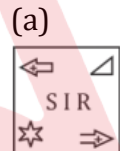
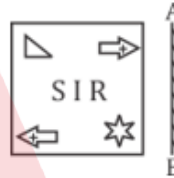
Q59. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



- (a)



Q60. Which of the option figure is the exact mirror image of the given problem figure when the mirror is held at the right side of the problem figure?



Q61. In the following questions select the related letters/ words/ numbers from the given alternatives :

Badminton : Court :: _____ : Arena

- (a) Wrestling
- (b) Boxing
- (c) Race
- (d) Cricket

Q62. In the following questions select the related letters/ words/ numbers from the given alternatives :

9 : 28 :: 65 : ___

- (a) 140
- (b) 127
- (c) 195
- (d) 124

Q63. In the following questions select the related letters/ words/ numbers from the given alternatives :

BY : 100 :: CX : ___

- (a) 198
- (b) 225
- (c) 125
- (d) 216

Q64. Find odd one out.

- (a) Wolf
- (b) Dog
- (c) Fox
- (d) Cat

Q65. Choose the option that is not related to the other three.

- (a) 72
- (b) 343
- (c) 521
- (d) 729

Q66. Find the missing numbers

12, __, 17, 22, 29

- (a) 12
- (b) 13
- (c) 14
- (d) 16

Q67. Find the missing numbers

AZY, __, CXU, DWS, EVQ

- (a) BXZ
- (b) BYZ
- (c) BYV
- (d) BYW

Q68. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it :

A_CD_AB_DE_BC_EA_CD_

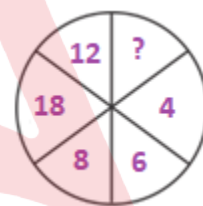
- (a) ABGCDCB
- (b) BECADBE
- (c) EBCADEB
- (d) EBDACBE

Q69. Find out the missing number :



- (a) 54
- (b) 62
- (c) 51
- (d) 120

Q70. Find out the missing numbers:



- (a) 24
- (b) 2
- (c) 9
- (d) 3

Q71. What is the ratio of mean proportional between 3.6 and 12.1 and third proportional between 2 and 11?

- (a) 36 : 5
- (b) 6 : 5
- (c) 11 : 36
- (d) 6 : 55

Q72. Rs. 7,80,516 is divided among A, B, C and D in the proportion of 2 : 3 : 4 : 3. The share of C is:

- (a) Rs. 2,60,172
- (b) Rs. 1,95,129
- (c) Rs. 1,30,086
- (d) Rs. 2,24,562

Q73. A and B can finish a work together in $3\frac{2}{3}$ days, C and D can finish the same work in $3\frac{1}{7}$ days. If A, B, C and D do the work together, how long will it take for them to finish half of the work?

- (a) $1\frac{1}{13}$ days
- (b) $\frac{8}{13}$ day
- (c) $\frac{2}{13}$ day
- (d) $\frac{11}{13}$ day

Q74. A can do a work in 12 days and B can do same work in 18 days. After 5 days of working together, how much work will be left?

- (a) 7/25
- (b) 11/36
- (c) 5/13
- (d) 5/12

Q75. A shopkeeper marks an article at a price such that after giving a discount of 25%, he gains x%. If the cost price and the marked price of the article are Rs 460 and Rs 736 respectively, what is the value of x?

- (a) 20%
- (b) 18%
- (c) 24%
- (d) 16%

Q76. The successive discount of 20%, 10% and 8% is equivalent to a single discount of:

- (a) 66.24%
- (b) 32.84%
- (c) 38%
- (d) 33.76%

Q77. Three years ago, average age of 'Amit', 'Bittu' and 'Chitu' is 27 years. Four years hence, ratio of Amit and Chitu's age is 7 : 10. If Bittu is 6 years younger than Chitu, then find present age of 'Amit'?

- (a) 24 years
- (b) 27 years
- (c) 30 years
- (d) 28 years

Q78. What is the sum of digits of the least number, which when divided by 15, 18 and 42 leaves the same remainder 8 in each case and is also divisible by 13?

- (a) 25
- (b) 24
- (c) 22
- (d) 26

Q79. The square root which of the following is a rational number?

- (a) 5535.36
- (b) 3152.88
- (c) 72905.2
- (d) 67508.5

Q80. The number 23474 is exactly divisible by :

- (a) 2 and 4 only
- (b) 2 and 11 only
- (c) 2 and 3 only
- (d) 2 only

Q81. Suppose you invest Rs. 10,000 at a fixed annual interest rate of 6%. If you calculate the simple interest earned after 2.5 years and compare it with the compound interest earned over the same period, what is the difference in the total interest earned?

- (a) Rs. 70
- (b) Rs. 73.08
- (c) Rs. 67
- (d) Rs. 75

Q82.

Find the mean proportion between $(15+\sqrt{50})$ and $(3-\sqrt{2})$.

- (a) $15-3\sqrt{2}$
- (b) $\sqrt{3+\sqrt{2}}$
- (c) $\sqrt{35}$
- (d) $\sqrt{50}$

Q83. The ratio of the present ages of Rohit and Jatin is 3:5. Rohit's son is 20 years younger than him and Jatin's son is 25 years younger than him. After 5 years, their son's age will be in the ratio 4:7. Find Rohit and Jatin's present age.

- (a) 48 and 80
- (b) 75 and 125
- (c) 51 and 85
- (d) 90 and 150

Q84. A mixture of milk and water measures 90 litres. The percentage of water in the mixture is 30%. How much milk should we add in the mixture to increase milk percentage by 10 percent?

- (a) 50 l
- (b) 45 l
- (c) 48 l
- (d) 60 l

Q85. In 10 innings of cricket, a batsman's average is 60 runs. In 11th inning, he scored 550 runs less than the runs he scored in all previous 10 innings. How much should he score in the 12th inning to take his average to 70 runs?

- (a) 180
- (b) 190
- (c) 195
- (d) 185

Q86. The selling price of 26 pencils is equal to the cost price of 20 pencils whereas the selling price of 15 pens is equal to the cost price of 12 pens. Find the ratio of profit or loss percentage of pencils and pen.

- (a) 45:39
- (b) 46:38
- (c) 45:38
- (d) 46:39

Q87. If 2 bags are offered free on purchase of 10 bags, what is the effective discount (in %) on each bag?

- (a) 13.45
- (b) 8.567
- (c) $16\frac{2}{3}$
- (d) $15\frac{2}{3}$

Q88. 30 men can complete a work in 45 days. After 20 days, 15 more men joined the work. How many days will they take to do the remaining work (Round off to whole number)?

- (a) 15
- (b) 17
- (c) 18
- (d) 20

Q89. 7567 is added to 8523 and 2355 is subtracted from the result. The answer is divisible by:

- (a) 2685
- (b) 2659
- (c) 2740
- (d) 2747

Q90. How many numbers from 1 to 500 are divisible by 7 and 9 both?

- (a) 6
- (b) 5
- (c) 7
- (d) 8

Q91. A four digits number has to be formed in such a way that its tens place digit is twice of ones place digit, hundred place digit is twice of tens place digit and thousand place digit is twice of hundred place digit. The number will be divisible by:

- (a) 401
- (b) 359
- (c) 301
- (d) 411

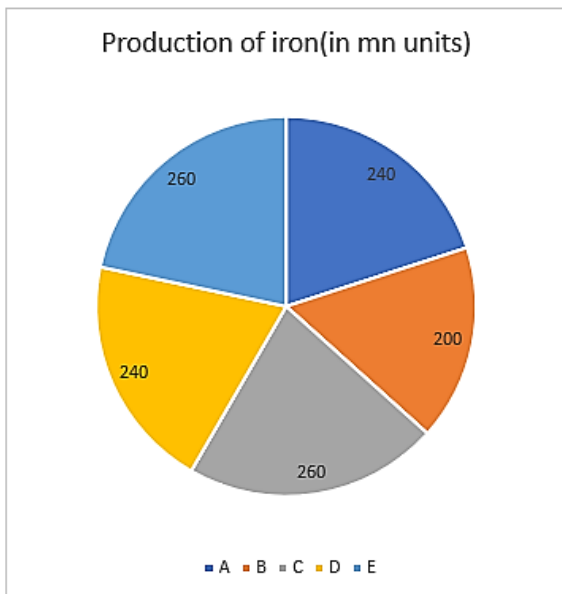
Q92. The table given below shows the foreign trade by two countries A and B in 5 different years.

	A	B
2012	75	54
2013	78	96
2014	84	45
2015	56	52
2016	69	80

What's the difference between the trade of company A from 2013-15 and company B from 2014-16?

- (a) 41
- (b) 39
- (c) 38
- (d) 43

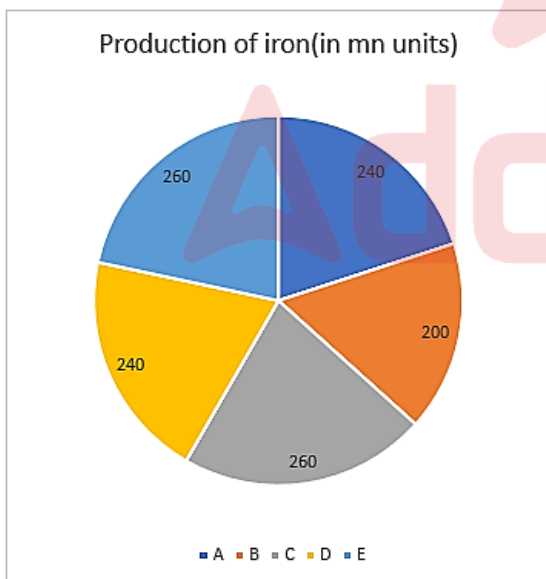
Q93. The chart given shows the production of Iron by various companies. Study the given chart and answer the following question.



What is the central angle corresponding to the production of Iron by company C?

- (a) 75°
- (b) 68°
- (c) 78°
- (d) 70°

Q94. The chart given shows the production of Iron by various companies. Study the given chart and answer the following question.



Find the difference of the production of company A and E from the production of company B,C and D.

- (a) 200
- (b) 220
- (c) 240
- (d) 260

Q95. Simplify the following expression:

$$16 \div 8 \text{ of } 9 \times 36 + 7 \div 49 \text{ of } 2 \times 6 - 4 \div 4 \times 2$$

- (a) $2\frac{7}{6}$
- (b) $3\frac{7}{9}$
- (c) $6\frac{3}{7}$
- (d) $9\frac{3}{7}$

Q96. Two numbers are in the ratio 5 : 11. If their HCF is 24, then the sum of two these numbers is:

- (a) 384
- (b) 408
- (c) 120
- (d) 264

Q97. The product of two numbers is 45360, if the HCF of the numbers is 36, then their LCM is:

- (a) 252
- (b) 630
- (c) 126
- (d) 1260

Q98. In an examination, 53% of the candidates failed in science and 48% failed in mathematics. If 40% failed in both subjects, what percentage passed in both subjects?

- (a) 51%
- (b) 39%
- (c) 49%
- (d) 43%

Q99. In an examination, 47% passed in science and 51% failed in mathematics. If 42% failed in both subjects, what percentage passed in both subjects?

- (a) 38%
- (b) 42%
- (c) 40%
- (d) 36%

Q100. In a class of 45 students, 40% are boys and rest are girls. The average weight of the girls is 55 kg and that of boys is 65 kg. What is the average weight (in kg) of the whole class?

- (a) 58 kg
- (b) 69 kg
- (c) 61 kg
- (d) 59 kg

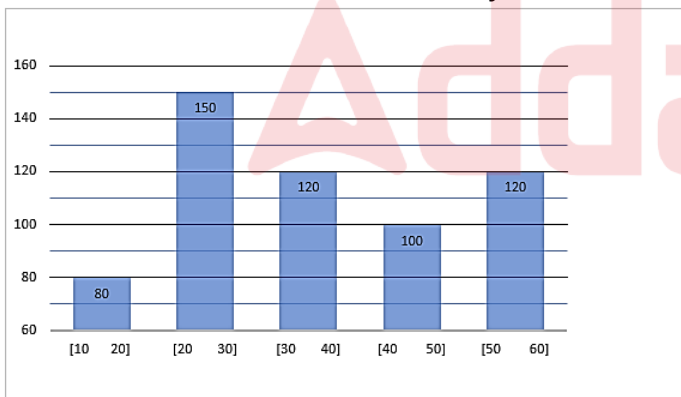
Q101. A person invests Rs. 12,000 as fixed deposit at a bank at the rate of 10% per annum simple interest. But due to some pressing needs he has to withdraw the entire money after 3 years, for which the bank allowed him a lower rate of interest. If he gets Rs. 3,320 less than what he would have got at the end of 5 years, the rate of interest allowed by the bank is

- (a) $7\frac{5}{9}\%$
- (b) $7\frac{4}{9}\%$
- (c) $7\frac{8}{9}\%$
- (d) $8\frac{7}{9}\%$

Q102. Two equal containers are filled with a mixture of milk and water. If the concentration of water in both the containers are 40% and 45% respectively, then find the ratio of milk in both the containers:

- (a) 14 : 13
- (b) 19 : 14
- (c) 12 : 11
- (d) 15 : 16

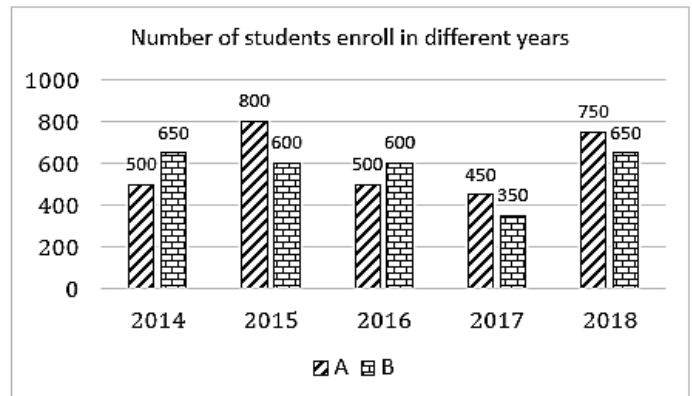
Directions (103-103): The given histogram represents the frequency distribution of number of peoples in five different age group who buys a movie ticket of XYZ cinema on Friday.



Q103. Price of a movie ticket is Rs.100 then calculate the total revenue generated by XYZ cinema on Friday if people of youngest and oldest age group get a discount of 20%.

- (a) Rs 53,000
- (b) Rs 55,000
- (c) Rs 49,000
- (d) Rs 51,000

Q104. In the given bar graph, the percentage decrease in the number of students in Institute A in 2016 is what percent of students in Institute A in 2015.



- (a) 37.5%
- (b) 35.5%
- (c) 40.5%
- (d) 39.5%

Q105. A and B are two solutions of acid and water. The ratio of water and acid in A and B are 11:13 and 5:7, respectively. If x litres of A is mixed with y litres of B, then the ratio of water and acid in the mixture becomes 4:5. What is x:y?

- (a) 2 : 1
- (b) 7 : 9
- (c) 7 : 3
- (d) 5 : 9

Q106. Select the most appropriate ANTONYM of the given word.

- Profound
- (a) Deep
 - (b) Superficial
 - (c) Hollow
 - (d) Fallow

Q107. Select the most appropriate ANTONYM of the given word.

- Protean
- (a) Amateur
 - (b) Catholic
 - (c) Unchanging
 - (d) Rapid

Q108. Select the most appropriate ANTONYM of the given word.

Quiescent

- (a) Restless
- (b) Exempt
- (c) Malignant
- (d) Mendicant

Q109. Select the most appropriate synonym of the given word.

Latent

- (a) Primitive
- (b) Hidden
- (c) Potent
- (d) Talented

Q110. Select the most appropriate synonym of the given word.

Massive

- (a) Tall
- (b) Large
- (c) Total
- (d) Little

Q111. Select the most appropriate synonym of the given word.

Obnoxious

- (a) Depressing
- (b) Disgusting
- (c) Arrogant
- (d) Exaggerated

Q112. Select the word which means the same as the group of words given.

One who tends to take a hopeful view of life

- (a) Magnate
- (b) creator
- (c) pacifist
- (d) optimist

Q113. Select the word which means the same as the group of words given.

One who travel by foot

- (a) Propogandist
- (b) Pedestrian
- (c) Paediatrician
- (d) Protagonist

Q114. Select the word which means the same as the group of words given.

Animal living in flock

- (a) Gregarious
- (b) Bohemian
- (c) Social
- (d) Herbivorous

Q115. Select the word which means the same as the group of words given.

A list of items to be discussed at a meeting

- (a) Topics
- (b) Agenda
- (c) Timetable
- (d) Programme

Directions (116-119): Read the following passage and answer the given questions.

The little dog ran through the streets, barking and wagging its tail. It had been lost for hours, and it was starting to get scared. It had never been away from its home before, and it didn't know where to go. The dog ran down an alleyway and saw a group of children playing. It ran up to them and started barking, hoping they would help it. The children looked at the dog and laughed. "Go away," one of them said. "You're not our dog." The dog was heartbroken. It didn't know what to do. It sat down on the ground and started to cry. A woman saw the dog crying and came over to it. "What's wrong, little guy?" she asked. The dog looked up at the woman and wagged its tail. It knew that she was someone who could help it. The woman petted the dog and said, "Don't worry, I'll help you find your way home." The woman took the dog to the nearest animal shelter. The shelter staff scanned the dog's microchip and found its owner's contact information. The woman called the owner and told them that she had found their dog. The owner was so happy to hear that their dog was safe. They came to the shelter and picked up the dog, who was so happy to be home. The dog licked the owner's face and wagged its tail. It was so glad to be back with its family. The owner thanked the woman for helping their dog. The woman said, "It was my pleasure. I'm just glad I could help." The woman and the owner smiled at each other. They were both happy that the dog was safe and sound.

Q116. What was the little dog's emotional state when it ran into the group of children?

- (a) Happy and excited
- (b) Confused and lost
- (c) Angry and aggressive
- (d) Playful and mischievous

Q117. Why did the children react negatively to the little dog's presence?

- (a) They were afraid of dogs in general
- (b) They recognized the dog as someone else's pet
- (c) They thought the dog was hurt and might bite them
- (d) They believed the dog was a stray and wanted it to leave

Q118. How did the woman locate the little dog's owner?

- (a) She asked the children in the neighborhood about the dog's home.
- (b) She took the dog to the police station and filed a lost dog report.
- (c) She found the dog's address on its collar tag.
- (d) She took the dog to the nearest animal shelter to scan for a microchip.

Q119. What did the little dog do when the woman approached it?

- (a) It barked aggressively at her.
- (b) It ran away further into the alleyway.
- (c) It wagged its tail and looked up at her.
- (d) It hid behind one of the children from the group.

Q120. Select the most appropriate meaning of the given idiom.

To bury the hatchet

- (a) To physically bury a hatchet in the ground
- (b) To hide a weapon for future use
- (c) To reconcile or make peace with someone
- (d) To engage in a violent confrontation

Q121. Select the most appropriate meaning of the given idiom.

To turn over a new leaf

- (a) To physically flip a leaf over
- (b) To start a new job involving leaf management
- (c) To change one's behavior or lifestyle for the better
- (d) To acquire a new plant for decorative purposes

Q122. Select the most appropriate meaning of the given idiom.

To steal the show

- (a) To physically steal items during a performance
- (b) To receive applause and recognition for an outstanding performance
- (c) To sabotage a theatrical production
- (d) To imitate someone else's performance on stage

Q123. Select the most appropriate meaning of the given idiom.

To have a skeleton in the closet

- (a) To own a closet full of skeletons
- (b) To be afraid of skeletons
- (c) To have a hidden secret or shameful past
- (d) To possess a collection of Halloween decorations

Q124. Select the most appropriate meaning of the given idiom.

To let sleeping dogs lie

- (a) To physically let dogs sleep peacefully
- (b) To avoid stirring up old conflicts or problems
- (c) To wake up dogs for playtime
- (d) To train dogs to sleep on command

Q125. Identify the segment in the sentence, which contains the grammatical error.

The digital assistant functions as well as the picture quality of the mobile phone are the best.

- (a) picture quality of
- (b) No Error
- (c) of the mobile phone
- (d) are the best.

Q126. Identify the segment in the sentence, which contains the grammatical error.

Mahima is not inferior than Kavita in her studies.

- (a) than Kavita
- (b) Mahima is
- (c) No Error
- (d) in her studies

Q127. Identify the segment in the sentence, which contains the grammatical error.

I have neither visited or intend to visit any museum.

- (a) I have neither
- (b) intend to visit
- (c) visited or
- (d) No error

Q128. Identify the segment in the sentence, which contains the grammatical error.

A biggest problem confronting the students is the lack of time.

- (a) confronting the students
- (b) A biggest problem
- (c) is the lack
- (d) No error

Directions (129-134): In the following questions, a sentence / a part of a sentence is made bold. Below are given alternatives to the bold part which may improve the sentence. Choose the correct alternative. In case no improvement is required, choose "No Improvement."

Q129. Hardly had the teacher finished the class **than the principal called him.**

- (a) Then the principal calls him.
- (b) And the principal called him.
- (c) No Improvement
- (d) When the principal called him.

Q130. The Samyukt Kisan Morcha has **called forth** a Bharat Bandh on Monday to continue their protest against the Centre's three farm laws.

- (a) Called in
- (b) No Improvement
- (c) Called for
- (d) Called off

Q131. When the dinner was ready, they ate **possibly as much as they could.**

- (a) As much as possibly they could
- (b) As much as could possibly they
- (c) No Improvement
- (d) As much as they possibly could

Q132. A citizen is expected to give **loyalty** to his country of origin.

- (a) No Improvement
- (b) Wealth
- (c) Obedience
- (d) Property

Q133. She **worked** in this office since 2014.

- (a) Is working
- (b) Had had worked
- (c) Has been working
- (d) No Improvement

Q134. On account of his being innocent of the crime, the judge sentenced him to one year imprisonment.

- (a) In spite of
- (b) In case of
- (c) In the event of
- (d) No Improvement

Q135. Select the wrongly spelt word.

- (a) incorrect
- (b) increament
- (c) incubate
- (d) incorporate

Q136. Select the wrongly spelt word.

- (a) frown
- (b) front
- (c) frost
- (d) frowk

Q137. Select the sentence that contains no spelling errors.

- (a) The granduor of the ancient Roman Empire is visible in many monuments in Italy and Greece.
- (b) The grandour of the ancient Roman Empire is visible in many monumants in Italy and Greece.
- (c) The grandeur of the ancient Roman Empire is visible in many monuments in Italy and Greece.
- (d) The granduer of the ancient Roman Empire is visible in many monuments in Italy and Greece.

Q138. Given below are four jumbled sentences. Pick the option that gives their correct order.

P. You need to take care of your body if you want it to run efficiently.

Q. Keep in mind that there's a strong connection between your body and your mind.

R. When you're caring for your body, you'll think and feel better too.

S. Physical self-care includes how you're fueling your body, how much sleep you're getting, how much physical activity you are doing, and how well you're caring for your physical needs.

- (a) RPQS
- (b) SPQR
- (c) QPSR
- (d) PQRS

Q139. Given below are four jumbled sentences. Pick the option that gives their correct order.

P. What's more, it may even increase your life expectancy.

Q. It may also help combat stress, boost your immune system, protect your heart and reduce pain.

R. For starters, being happy promotes a healthy lifestyle.

S. Scientific evidence suggests that being happy may have major benefits for your health.

- (a) RQPS
- (b) SRQP
- (c) QPSR
- (d) PSQR

Q140. Given below are four jumbled sentences. Pick the option that gives their correct order.

P. In some European countries, they kill more people than do road accidents.

Q. Poor design or construction of homes is the cause of most home accidents

R. Use of proper building materials and construction could prevent indoor pollutants or mould, causing asthma, allergies or respiratory diseases.

S. About every tenth lung cancer case results from radon in the home. Appropriate design can prevent both exposure and the risk to health.

- (a) RQPS
- (b) SPQR
- (c) PRSQ
- (d) QPRS

Directions (141-155): निम्नलिखित प्रश्नों को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए।

Q141. इस वाक्य के रिक्त स्थान पर रेखांकित शब्द का उपयुक्त विलोम शब्द कौन-सा होगा?

भारत में कहीं अतिवृष्टि से बाढ़ आती है तो कहीं _____ से सूखा पड़ता है।

- (a) लघुवृष्टि
- (b) अनावृष्टि
- (c) वृष्टि
- (d) सुवरिष्टि

Q142. 'करण खाने बीच मिठाई लाया'

उपरोक्त वाक्य में कारक सम्बन्धी त्रुटि पहचानकर निम्नलिखित में से शुद्ध वाक्य चुनिए।

- (a) करण खाने बाद मिठाई लाया।
- (b) करण खाने की मिठाई लाया।
- (c) करण खाने के लिए मिठाई लाया।
- (d) करण खाने साथ मिठाई लाया।

Q143. 'सुनैना खाना खा रही है'

उपरोक्त वाक्य का भाववाच्य में रूपांतरण होगा-

- (a) सुनैना से खाना खाया नहीं जाता।
- (b) सुनैना खाना खा रही थी।
- (c) सुनैना खाना खा रही होगी।
- (d) सुनैना खाना नहीं खा रही है।

Q144. दिए गए शब्दों में से उचित शब्द से वाक्य पूर्ण करें -

वैद्य जी _____ देखकर इलाज करते हैं।

- (a) नाड़ी
- (b) नीड़
- (c) नीर
- (d) नारी

Q145. 'टिप्पस भिड़ाना मुहावरे का अर्थ होगा-

- (a) लोगों को आपस में लड़वाना
- (b) अकल लगाना
- (c) सिफारिश करवाना
- (d) नयी योजना बनाना

Q146. निम्नलिखित वाक्य के किस खंड में अशुद्धि है?

गौतम बुद्ध ने पाली भाषा में उपदेश दिया

- (a) दिया
- (b) उपदेश
- (c) पाली
- (d) भाषा

Q147. वाक्य में रेखांकित अंश के लिए उचित मुहावरा दिए गए विकल्पों में से चुनिए-

तुम किस काम के हो!

- (a) कोढ़ में खाज
- (b) किस मर्ज की दवा
- (c) कोल्हू का बैल
- (d) कूप मंड्रक

Q148. 'सरस्वती' के पर्यायवाची शब्द से वाक्य की पूर्ति कीजिए।

प्रातःकाल _____ का श्लोक पढ़िए।

- (a) धात्री
- (b) कान्ता
- (c) शारदा
- (d) उमा

Q149. निम्नलिखित वाक्य के किस खंड में त्रुटि है?

जीवन और साहित्य का घोर संबंध है।

- (a) घोर
- (b) संबंध
- (c) साहित्य
- (d) जीवन

Q150. "वह व्यक्ति जो विद्यार्थियों को पढ़ाने का कार्य करता है- वाक्यांश के लिए सार्थक शब्द है-

- (a) शिक्षार्थी
- (b) शिक्षक
- (c) छात्र
- (d) विद्यार्थी

Q151. लकड़ियों का समूह।

रेखांकित पद 'समूह' के बदले उपयुक्त शब्द का प्रयोग कीजिए।

- (a) गट्टर
- (b) ढेर
- (c) टुकड़ा
- (d) रेवड़

Q152. 'शरीर का कोई भाग वाक्यांश के लिए उचित शब्द बताइए-

- (a) कृशांग
- (b) अभिन्न
- (c) अवयव
- (d) दृष्टी

Q153. निम्न में से किस वाक्य में 'उत्कंठा' के सही पर्यायवाची शब्द का प्रयोग हुआ है?

- (a) रघु में उत्साह की कमी है।
- (b) नेहा श्रेष्ठ गायिका है।
- (c) नव्या में अब कोई लालसा शेष नहीं थीं।
- (d) लता ने अपनी उदारता का परिचय दिया।

Q154. पेड़ बढ़ता गया।

इस वाक्य में प्रयुक्त संयुक्त क्रिया का नाम बताइए।

- (a) नित्यताबोधक संयुक्त क्रिया
- (b) अवकाशबोधक संयुक्त क्रिया
- (c) अनुमतिबोधक संयुक्त क्रिया
- (d) समासबोधक संयुक्त क्रिया

Q155. निम्नलिखित वाक्यांश के लिए उपयुक्त सार्थक शब्द है:

जो कहा न जा सके

- (a) कहना
- (b) कहानी
- (c) कथन
- (d) अकथनीय

Directions (156-160): निम्नलिखित गद्यांश में कुछ शब्दों को हटा दिया गया है। दिए गए विकल्पों की सहायता से रिक्त स्थानों की पूर्ति कीजिए। प्रत्येक संख्या के लिए सबसे उपयुक्त विकल्प का चयन करें।

मैत्री भाव सकारात्मक तथा 1. _____ वर्ग में गिना जाता है। मित्रता ऐसा उपहार है जो 2. _____ को प्राप्त होता है। सच्चा मित्र वही होता है जिसके कारण हमें कभी भी 3. _____ ना हो। जब भी हमारी ऐसी कोई आदत होती है जिससे दूसरे को परेशानी होती है तो ऐसी आदत 4. _____ में ही भलाई है। मनुष्य तो 5. _____ प्राणी है।

Q156. रिक्त स्थान 1 की पूर्ति के लिए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (a) नकारात्मक
- (b) निम्न
- (c) उच्च
- (d) मध्यम

Q157. रिक्त स्थान 2 की पूर्ति के लिए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (a) सबको
- (b) भाग्यशाली
- (c) अमीर
- (d) गरीब

Q158. रिक्त स्थान 3 की पूर्ति के लिए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (a) पश्चाताप
- (b) उत्साह
- (c) खुशी
- (d) भलाई

Q159. रिक्त स्थान 4 की पूर्ति के लिए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (a) अपनाने
- (b) गिनाने
- (c) दिखाने
- (d) छोड़ने

Q160. रिक्त स्थान 5 की पूर्ति के लिए सबसे उपयुक्त विकल्प का चयन कीजिए।

- (a) भयानक
- (b) दिखावा
- (c) परेशान
- (d) सामाजिक

Directions (161-175): निम्नलिखित प्रश्नों को ध्यानपूर्वक पढ़िए और प्रश्नों के उत्तर देने के लिए उचित विकल्प का चयन कीजिए।

Q161. निम्नलिखित मुहावरे के लिए उपयुक्त सार्थक शब्द है-
नानी याद आना

- (a) नानी को याद करना
- (b) छुप कर बैठ जाना
- (c) मुसीबत देखकर घबरा जाना
- (d) किसी से मिलने का मन करना

Q162. 'समुद्र की सीमा अनंत है'। वाक्य में प्रयुक्त अनंत शब्द का विलोम शब्द बताइए -

- (a) अंतहीन
- (b) असीमित
- (c) अनंग
- (d) अंत

Q163. निम्नलिखित में से अव्यय से बना विशेषण शब्द नहीं है -

- (a) कैसा
- (b) बाहरी
- (c) पिछला
- (d) अगला

Q164. 'आज विद्यालय में शिक्षिका ने अंताक्षरी खेलने को कहा। वाक्य में अशुद्ध वर्तनी वाला शब्द है -

- (a) शिक्षिका
- (b) विद्यालय
- (c) खेलने को कहा
- (d) अंताक्षरी

Q165. सूल क्रिया, प्रथम प्रेरणार्थक क्रिया और द्वितीय प्रेरणार्थक क्रिया का सही शब्द-क्रम चुनिए।

- (a) बजवाना - बजना - बजाना
- (b) कराना - करना - करावाना
- (c) उठाना - उठाना - उठवाना
- (d) सुनना - सुनवाना - सुनाना

Q166. 'दोपहर _____'.

उपर्युक्त वाक्य में रिक्त स्थान के लिए उपयुक्त विकल्प निम्न में से क्या होगा?

- (a) का अर्थ होता है दो पहरों का संग्राम
- (b) का अर्थ होता है दो पहरों का कदाचार
- (c) का अर्थ होता है दो पहरों का अनाचार
- (d) का अर्थ होता है दो पहरों का समाहार

Q167. जिसका खण्डन न हो सके' वाक्यांश के लिए उचित शब्द बताइए -

- (a) खंडित
- (b) खण्डनीय
- (c) समूल
- (d) अखण्डनीय

Q168. रेखांकित शब्द-समूह के लिए सर्वाधिक उपयुक्त विकल्प चुनें।

मुसीबत का मारा वह किसी और स्थान पर जा बसा।

- (a) तत्र
- (b) सर्वर
- (c) अन्यत्र
- (d) अत्र

Q169. इस जल में अनेक जीव हैं।

रेखांकित शब्द के विलोम शब्द का चयन कीजिए।

- (a) सलिल
- (b) तालाब
- (c) स्थान
- (d) थल

Q170. दो घोड़ों पर सवार होने से तुम सफल नहीं रहोगे।

उपरोक्त वाक्य में रेखांकित अंश के लिए कौन - सा शब्द उपयुक्त होगा?

- (a) दुरंगी नीति
- (b) त्रिरंगी नीति
- (c) सवारी नीति
- (d) सफल नीति

Q171. 'ऊँट के मुँह में जीरा मुहावरे का सही अर्थ है -

- (a) खाने में जीरा डालना
- (b) ऊँट को जीरा खिलाना
- (c) अधिक खाने वाले को कम देना
- (d) मित्रता करना

Q172. निम्नलिखित वाक्य में से अशुद्धि पहचानें -

वह आया परंतु मैं नहीं गया।

- (a) आया
- (b) गया
- (c) परंतु
- (d) वह

Q173. निम्नलिखित वाक्यांश के लिए उपयुक्त शब्द का चयन विकल्पों में से कीजिए।

जिसने चित्त किसी विषय में दिया (लगाया) है

- (a) अग्रसोची
- (b) विषयचित्त
- (c) दत्तचित्त
- (d) अग्रगामी

Q174. हिमालय भारत का ताज है।

रेखांकित शब्द के उचित पर्यायवाची शब्द का चयन कीजिए।

- (a) प्रभा
- (b) आसव
- (c) मदन
- (d) गिरिराज

Q175. 'आकलन शब्द के लिए इनमें से उपयुक्त पर्यायवाची शब्द कौन-सा है?

- (a) अगणन
- (b) गणना
- (c) शरण
- (d) नूतन

Q176. What does a Bug mean?

- (a) Logical error in a program
- (b) Syntax error in a program
- (c) Run time error
- (d) Both (a) and (b)

Q177. Codes consisting of varying widths and spacing of parallel lines, which may be optically read, is known as ____.

- (a) mnemonic
- (b) Bar code
- (c) Decoder
- (d) All of the above

Q178. Which of the following is a server that saves Web pages that users have requested so that successive requests for these pages do not require the use of the Internet?

- (a) dedicated server
- (b) virtual server
- (c) Off-Line Services
- (d) cache server

Q179. Which of the following is often used in conjunction with phishing in an attempt to steal your information?

- (a) Zombie
- (b) Computer Worm
- (c) Spoofing
- (d) Rootkit

Q180. which of the following device translates sound vibrations in the air into electronic signals?

- (a) Hub
- (b) Switch
- (c) Microphone
- (d) All of these

Q181. Which of the following types of memory cards is most commonly used to deliver high-capacity memory in a tiny package?

- (a) SDHC Card
- (b) CompactFlash
- (c) Smart Media Card
- (d) SD Card

Q182. PostScript language is a page description language developed by which company?

- (a) Adobe
- (b) Corel
- (c) IBM
- (d) Apple

Q183. In Microsoft Word, which of the following font case capitalizes all the all letters of your text?

- (a) Capitalize Each Word
- (b) Uppercase
- (c) Toggle Case
- (d) Lowercase

Q184. Which one of the following is the standard language for object-oriented databases?

- (a) XQuery
- (b) SQL
- (c) OQL
- (d) GraphQL

Q185. An electronic version of a traditional print book that can be downloaded via Internet is called as_____.

- (a) eBook
- (b) ePad
- (c) eDrive
- (d) eInk

Q186. In Information technology, _____is a centralized place where data is stored and maintained in an organized way.

- (a) Data Bank
- (b) Recycle Bin
- (c) Repository
- (d) Container

Q187. DHCP is a protocol that assigns a unique _____to each device that connects to a network.

- (a) GUID
- (b) IP Address
- (c) Domain Name
- (d) MAC address

Q188. The act of posting or sending offensive messages over the Internet is called as_____.

- (a) Ripping
- (b) Phishing
- (c) Burning
- (d) Flaming

Q189. Webmaster is defined as person who_____.

- (a) owns a domain name
- (b) maintains a website
- (c) works for a web hosting firm
- (d) knows one or more web scripting languages

Q190. Site that largely copies the content of another site without permission is called as_____.

- (a) Scaper site
- (b) Showcase website
- (c) Torrents website
- (d) Media-sharing site

Q191. With reference to Simple Network Management Protocol (SNMP), which of the following statements is FALSE?

I. SNMP is a protocol of the network layer used to monitor the network.

II. SNMP protocol is embedded in multiple local devices such as routers, switches, servers and firewalls.

- (a) Only I
- (b) Only II
- (c) Both I and II
- (d) Neither I nor II

Q192. Swipe is a command primarily used with which of the following devices?

- (a) Mouse
- (b) Printer
- (c) Touchscreen
- (d) Scanner

Q193. Servlets, which provide platform-independent method for building Web based applications are written in which language?

- (a) ASP
- (b) C#
- (c) Python
- (d) Java

Q194. Which of the following devices is NOT equipped with a USB port?

- (a) Internal Hard Drive
- (b) External Hard Drive
- (c) Printer
- (d) Digital Camera

Q195. Process of identifying and resolving a error or fault in a software or computer system is known as_____.

- (a) Hacking
- (b) Spamming
- (c) Defragging
- (d) Troubleshooting

Q196. FSB connects CPU with which of the following other component?

- (a) PCI Card
- (b) RAM
- (c) SSD
- (d) HDD

Q197. Brouter is a network device that combines a router with_____.

- (a) Bluetooth
- (b) Bridge
- (c) Bus
- (d) Backup Storage Device

Q198. Ethernet, repeaters and networking hubs are the examples of hardware in the_____.

- (a) Data Link Layer
- (b) Physical Layer
- (c) Transport Layer
- (d) Session Layer

Q199. In Windows 10, which shortcut key can be used to add a virtual desktop?

- (a) Windows key + Down arrow key
- (b) Windows key + Up arrow key
- (c) Windows key + Ctrl + D
- (d) Windows key + Shift + Up arrow

Q200. In Microsoft Power-point, which shortcut key can be used to apply subscript formatting?

- (a) Ctrl + Shift + Plus sign
- (b) Ctrl + Equal sign
- (c) Ctrl + Shift + >
- (d) Ctrl + M

Solutions

S1. Ans.(c)

Sol. The answer is (c) Hyderabad

- The NCRB data pointed out that Hyderabad topped the nation in food adulteration cases in 2022. In close second place was Andhra Pradesh, trailing after Telangana.
- Among 19 major Indian cities, a total of 291 cases of adulterated food were reported, with a staggering 246 cases emerging from Hyderabad alone. This unsettling trend underscores a pressing concern for the city's food safety.

About NCRB:

- The National Crime Records Bureau is an Indian government agency responsible for collecting and analyzing, crime data as defined by the Indian Penal Code and Special and Local Laws.
- Headquarters - Delhi
- Founded - 11 March 1986
- Agency executive - Vivek Gogia, IPS, Director.
- Parent department - Ministry of Home Affairs

S2. Ans.(b)

Sol. The answer is (b) 2nd edition.

Prime Minister Narendra Modi inaugurated the second edition of Kashi Tamil Sangamam on December 17, 2023, at Namo Ghat in Varanasi. This cultural festival aims to celebrate the historical and civilizational connections between North and South India.

The first edition of the Kashi Tamil Sangamam was held from November 16 to December 16, 2022.

Some additional details about the Kashi Tamil Sangamam:

- The festival is part of the government's "Ek Bharat Shreshtha Bharat Yuva Sangam" program, which aims to promote cultural unity and understanding among the youth of India.
- The second edition of the festival featured participation from over 1,400 dignitaries from Tamil Nadu and Puducherry.
- The festival included a variety of cultural events, such as music and dance performances, art exhibitions, and food stalls.

S3. Ans.(a)

Sol. The answer is (a) Andhra Pradesh.

- Exercise AstraShakti-2023 was held at the Suryalanka Air Force Station in Andhra Pradesh. During the exercise, the Indian Air Force successfully tested the SAMAR air defense missile system, achieving a significant milestone in India's indigenous defense capabilities.
- The IAF conducted the successful firing trials of the SAMAR air defence missile system during the AstraShakti-2023 exercise at Air Force Station Suryalanka
- SAMAR is a quick reaction surface-to-air missile system, ingeniously crafted by the IAF's 7 Base Repair Depot (BRD) and 11 BRD, in collaboration with Simran Flowtech Industries and Yamazuki Denki. Notably, the system repurposes old Russian-origin Vympel R-73 and R-27 air-to-air missiles, demonstrating an innovative approach to maximize existing resources.

Some additional details about the exercise:

- During the exercise, a single Akash firing unit successfully engaged and destroyed four unmanned aerial vehicles (UAVs) simultaneously. This was the first time that an Akash system had been able to track and engage multiple targets at the same time.
- The successful test of the Akash system is a significant milestone for India's indigenous defense program. It demonstrates that India is now able to develop and produce its own advanced air defense systems.

S4. Ans.(b)

Sol. The answer is (b) 402 Km

Prime Minister Narendra Modi to inaugurate the 402 km Eastern Dedicated Freight Corridor, connecting New Deen Dayal Upadhyay Junction to New Bhaupur Junction.

The corridor connects Jharkhand and West Bengal's coal fields to Northern India's power plants, allowing freight trains to operate at speeds up to 100 km/h. This expedites coal supply and streamlines the transportation of essential goods like iron and steel.

About Dedicated Freight Corridor (DFC):

- The Dedicated Freight Corridor (DFC) is a network of high-speed, double-track railway lines in India that are exclusively for freight trains. The aim of the DFC is to improve the efficiency of freight transportation in India by separating freight traffic from passenger traffic.
- The DFC project is being implemented by the Dedicated Freight Corridor Corporation of India Limited (DFCCIL), a public sector undertaking under the Ministry of Railways. The project is being built in phases, with the first two phases being the Eastern Dedicated Freight Corridor (EDFC) and the Western Dedicated Freight Corridor (WDFC).
- The EDFC is a 1,845 km long corridor that runs from Ludhiana in Punjab to Dankuni in West Bengal. The WDFC is a 1,517 km long corridor that runs from Dadri in Haryana to Jawaharlal Nehru Port Trust (JNPT) in Maharashtra.

S5. Ans.(b)

Sol. The correct answer is (b) Telangana.

On December 9, 2023, the Telangana government launched the "Maha Lakshmi Scheme," which provides free bus travel for women, girls, and transgender persons on state-run Palle Velugu and express buses within the state borders. This initiative aims to empower women and improve their access to education, employment, and healthcare.

S6. Ans.(d)

Sol. The answer is (d)

- Indian Armed Forces have been honored with the coveted 'Golden Owl' award for their outstanding performance.
- Three officers from the Indian Armed Forces, undergoing the prestigious Command and Staff Course at Defence Services Command and Staff College (DSCSC) in Sri Lanka, have been honored with the coveted 'Golden Owl' award for their outstanding performance. The award, presented by Sri Lankan President Ranil Wickremesinghe, recognizes their exceptional achievements in analytical skills, strategic thinking, and their potential for future leadership.
- These 3 Indian officers are – Wing Commander Sumeet Mahajan, Major Rohit and Lieutenant Commander Sunny Sharma.

S7. Ans.(d)

Sol. The correct answer is (d) NTPC Kanti.

- The NTPC Power Plant that received the FICCI Water Award 2023 for industrial water use efficiency is NTPC Kanti. This award was presented to NTPC Kanti during the inaugural event of the 9th Edition of India Industry Water Conclave held at the FICCI Federation House in New Delhi.
- The FICCI Water Awards are significant as they acknowledge organizations across various sectors for their exemplary efforts in water conservation and management, thus contributing to the broader goal of encouraging sustainable water management practices throughout India.

- NTPC Kanti, also known as the George Fernandes Thermal Power Plant Station and located in Muzaffarpur, Bihar, has demonstrated a strong commitment to sustainable water management. This includes initiatives like advanced wastewater treatment, innovative reuse of treated water, and awareness campaigns to promote water conservation among employees and the local community.

S8. Ans.(c)

Sol. Guard cells are cells surrounding each stoma. They help to regulate the rate of transpiration by **opening and closing the stomata.**

- The stomata are small openings on the surface of leaves and stems that allow for gas exchange, including the uptake of carbon dioxide for photosynthesis and the release of oxygen and water vapor.

S9. Ans.(d)

Sol. All of the vitamins listed in the options cannot be produced by our body and must be obtained from external sources such as food or supplements.

- Our body cannot synthesize vitamin A, so we rely on dietary sources like animal products, orange and yellow fruits and vegetables, and dark leafy greens to obtain it.
- Vitamin K is not produced in sufficient amounts by our body, and we need to obtain it from dietary sources such as green leafy vegetables, broccoli, and vegetable oils.
- Similar to vitamins A and K, our body cannot produce vitamin C, and we must obtain it from food sources like citrus fruits, berries, peppers, and leafy greens.

S10. Ans.(a)

Sol. Mercury is the only metal that is liquid at room temperature. It has a melting point of -38.83 degrees Celsius, which is below room temperature. This means that it will melt and become a liquid even in a cold room.

Iron, aluminum, and copper are all solid at room temperature. They have melting points that are much higher than room temperature.

S11. Ans.(d)

Sol. The seventh period of the periodic table includes most of the man-made radioactive elements. This period is also the longest period with 32 elements, starting with Francium (Fr) and ending with Oganesson (Og), which has the highest atomic number of any known element.

- The radioactive elements in this period are mainly produced through nuclear reactions in laboratories and have very short half-lives.
- Some of the most well-known man-made radioactive elements in this period include americium, berkelium, californium, einsteinium, fermium, mendelevium, nobelium, and lawrencium.

S12. Ans.(c)

Sol. A charged particle moving through a magnetic field experiences a magnetic force, which is perpendicular to both the velocity of the particle and the direction of the magnetic field. The magnitude of the force is proportional to the charge of the particle, the velocity of the particle, and the strength of the magnetic field.

Important Points:

- **Electrical force** is the force of attraction or repulsion between charged particles. This force is responsible for the behavior of electrons in atoms, the interaction between charged particles in electric circuits, and the behavior of lightning and other electrical phenomena.
- **Gravitational force** is the force of attraction between any two objects in the universe that have mass. This force is responsible for the behavior of planets in their orbits, the motion of objects on Earth, and the structure and evolution of the universe.
- **Nuclear force** is the force that binds particles together in the nucleus of an atom. This force is responsible for the stability of the nucleus, the behavior of radioactive isotopes, and the energy production in stars and other astronomical objects.

S13. Ans.(a)

Sol. The correct answer is (a) Moment of inertia. The unit of moment of inertia is not Pascal. Moment of inertia is a property related to the distribution of mass in a rotating body and is expressed in units such as kilogram-meter squared ($\text{kg}\cdot\text{m}^2$) in the SI system. It is not directly related to pressure, stress, or Young's modulus, which are all measured in Pascal (Pa) or derived from Pascal.

S14. Ans.(b)

Sol. The uplift of the backward classes was the main program of the (b) Satya Shodhak Samaj. The Satya Shodhak Samaj, founded by Jyotirao Phule in the 19th century in Maharashtra, India, aimed to challenge social inequality and uplift the marginalized sections of society, including the backward classes, Dalits, and women. It advocated for education, social reform, and the abolition of caste-based discrimination and untouchability. Jyotirao Phule's efforts and the Satya Shodhak Samaj played a significant role in promoting social justice and empowerment for the backward classes in India.

S15. Ans.(b)

Sol. The Indian Council Act of 1909, commonly referred to as the Morley-Minto reforms, was an important legislative measure introduced by the British colonial government in India. The Act aimed to increase the representation of Indians in the legislative bodies and provide limited political reforms. It expanded the legislative councils at the central and provincial levels, introduced separate electorates for Muslims, and increased the powers of the legislative councils to discuss and debate legislation. The reforms were named after the Secretary of State for India, John Morley, and the Viceroy of India, Lord Minto, who played significant roles in their formulation and implementation.

S16. Ans.(b)

Sol. The correct answer is Guru Tegh Bahadur. He was the ninth Sikh Guru and the successor of Guru Har Krishan. Guru Tegh Bahadur played a significant role in defending religious freedom and preserving the Sikh faith during a time of religious persecution. He was eventually martyred for refusing to convert to Islam under the orders of the Mughal Emperor Aurangzeb.

S17. Ans.(b)

Sol. Babur, the Mughal emperor, wrote Baburnama. The initial writing of it was in a language called Chagatai Turkic. Later, during Emperor Akbar's rule in 1589–1590 CE, Baburnama was translated into Persian.

S18. Ans.(c)

Sol. The nomadic savages or tribes who lived in the neighbourhood of China were the Hephthalites (the Sanskrit name of which is Hunas). Gupta Empire ruled over a major part of India, after the death of the Gupta emperor, Samudragupta, there was less control of the skandgupta in Western India. During this time, the Hunas armed forces attacked the Gupta dynasty.

S19. Ans.(b)

Sol. Under the Nagara style of temple architecture, the mandap was known as Jagmohan.

In Nagara style temple architecture, the term "mandap" refers to the pillared hall or pavilion that is typically situated in front of the sanctum sanctorum or the main shrine of the temple. However, specifically in the Nagara style, the mandap is known as "Jagmohan." The Jagmohan is an important component of the Nagara temple, serving as an assembly hall for devotees and a place for rituals and ceremonies. It is characterized by its spaciousness, ornate pillars, and intricate carvings, providing a gathering space before the main deity within the temple complex.

S20. Ans.(b)

Sol. World Cancer Day is celebrated on **4th February** worldwide.

Details:

- "Close The Care Gap" has been the theme for World Cancer Day for the past three years (2022, 2023, and 2024).
- The World Health Organization, on their initiative, established the inaugural Cancer Day **in 1933 in Geneva, Switzerland.**

- The goal of World Cancer Day is to increase public awareness of the risks associated with cancer, as well as its symptoms and prevention.
- World Cancer Day was **established in 2000** during the first World Summit Against Cancer.

S21. Ans.(a)

Sol. The correct answer is (a) Willem Einthoven. Willem Einthoven, a Dutch physiologist, is credited with inventing the electrocardiogram (ECG) in the early 20th century. He developed the technology and methodology for recording and interpreting electrical signals produced by the heart, which revolutionized the field of cardiology and became an essential diagnostic tool for studying heart conditions. Einthoven's work earned him the Nobel Prize in Physiology or Medicine in 1924.

S22. Ans.(b)

Sol. The headquarters of the World Health Organization (WHO) is located in Geneva, Switzerland.

- The World Health Organization (WHO) is a specialized agency of the United Nations responsible for international public health. It was established on April 7, 1948.

S23. Ans.(a)

Sol. Brazil has won the most FIFA World Cup titles in history. They have won the prestigious tournament a record total of 5 times, in the years 1958, 1962, 1970, 1994, and 2002.

As of the 2022 FIFA World Cup, 22 final tournaments have been held and a total of 80 national teams have competed. The trophy has been won by eight national teams. Brazil, with five wins, are the only team to have played in every tournament.

The other World Cup winners are Germany and Italy, with four titles each; Argentina, with three titles; France and inaugural winner Uruguay, each with two titles; and England and Spain, with one title each.

S24. Ans.(b)

Sol. The correct answer is (b) Article 360 of the Indian Constitution. Article 360 provides for the proclamation of a financial emergency in India. This article empowers the President of India to declare a financial emergency if the financial stability or credit of the nation or any part of its territory is threatened. The President can take various measures during a financial emergency, including the reduction of salaries of government officials, the reduction of allowances and grants to states, and giving directions to the states regarding the financial matters.

S25. Ans.(a)

Sol. Sarkaria Commission was related to center state relation. This commission was formed in 1983. So, this is not related to Administrative Reform Commission.

S26. Ans.(c)

Sol. The First Finance Commission of India was appointed in 1951, for the period 1952-57 by the President of India and was chaired by K. C. Neogy

S27. Ans.(c)

Sol. The Fundamental Duties are dealt with in Article 51A under Part-IV A of the Indian Constitution. Originally there were 10 fundamental duties. 11th fundamental duty was added by 86th Constitution amendment act 2002.

S28. Ans.(a)

Sol. Article 50 of the Indian constitution states that the State shall take steps to separate the judiciary from the executive in the public services of the State.

S29. Ans.(c)

Sol. According to the 2011 Census of India, the sex ratio of India was 943 females per 1000 males. This means that there were 943 females for every 1000 males in India in 2011.

As per the Census, sex ratio has increased from 933 females per thousand males in 2001 to 943 females per thousand males in 2011.

As of the 2011 Census of India, the state with the highest sex ratio (number of females per 1,000 males) is Kerala, and the state with the lowest sex ratio is Haryana.

The sex ratio in Kerala in 2011 was 1,084 females per 1,000 males. The sex ratio in Haryana in 2011 was 879 females per 1,000 males.

S30. Ans.(d)

Sol. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA) is a flagship scheme launched by the Government of India for rural development. It aims to provide at least 100 days of wage employment in a financial year to every rural household whose adult members volunteer to do unskilled manual work.

☑ Mahatma Gandhi National Rural Employment Guarantee Act 2005 or MGNREGA is an Indian labour law and social security measure that aims to guarantee the 'right to work'. This act was passed on 23 August 2005 under the UPA government of Prime Minister Manmohan Singh.

Scheme Name	Description	Launch Year or Date	Related Ministry
Swachh Bharat Abhiyan	A cleanliness campaign aimed at improving sanitation facilities and eliminating open defecation.	2014	Ministry of Housing and Urban Affairs
Pradhan Mantri Jan Dhan Yojana	A financial inclusion scheme aimed at providing basic banking services to unbanked and under-banked individuals.	2014	Ministry of Finance
Digital India Programme	An initiative aimed at transforming India into a digitally empowered society and knowledge economy.	2015	Ministry of Electronics and Information Technology

S31. Ans.(d)

Sol. Ganga rises in the Gangotri Glacier and cuts through the Central and the Lesser Himalayas in narrow gorges.

The Brahmaputra rises from the Chemayungdung glacier near Mansarovar in Tibet.

Though it is 2900 km long, its small length comprises 800 km in India and rest goes to China and Bangladesh.

The Indus also known as the Sindhu, is the westernmost of the Himalayan Rivers in India. It originates from a glacier near Bokhar Chu in the Tibetan region at an altitude of 4,164 m in the Kailash Mountain range.

The Satluj originates in the Rakas Lake near Mansarovar at an altitude of 4,555 m in Tibet where it is known as Langchen Khambab.

S32. Ans.(c)

Sol.

- Jet streams are narrow bands of strong wind in the upper levels of the atmosphere, more particularly, troposphere.
- It follows the wave path near the tropopause at an elevation of 8 km to 15 km.
- They are generally continuous over a long distance and can be thousands of miles long also.
- The polar-front jets are best developed in winter and early spring.

S33. Ans.(a)

Sol. The highest navigable lake i.e. Lake Titicaca (on the border of Bolivia and Peru) is situated on the Bolivian plateau, South America.

S34. Ans.(b)

Sol. During the Indian monsoon season, both the western jet stream and the easterly jet stream exist in the Indian region. However, it is the easterly jet stream that becomes the dominant jet stream during this period, as it is responsible for bringing the moisture necessary for the monsoon rains.

S35. Ans.(d)

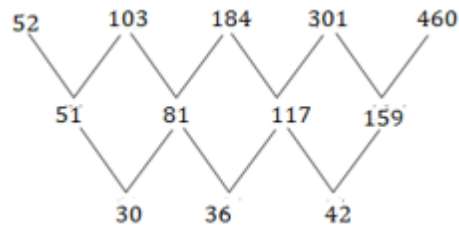
Sol.

- Alluvial soils are formed mainly due to silt deposited by the Indo-Gangetic Brahmaputra Rivers.
- In coastal regions, some alluvial deposits are formed due to wave action.
- It is rich in Potash and 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.

S36. Ans.(c)

S37. Ans.(b)

Sol.



S38. Ans.(b)

Sol. The pattern is $\times 4 - 1$

S39. Ans.(c)

Sol.

C	A	P	T	I	O	N	
Y	A	L	H	S	M	N	Opp. Lett +1

Similarly,

L	A	P	T	O	P	
P	A	L	H	M	L	

S40. Ans.(c)

Sol. All options except (c) have digit sum 10:10.

S41. Ans.(b)

Sol. In the first and second statements, the common word is 'Coffee' and the common code word is 'see' so, 'see' Means 'coffee'.

In the second and third statements, the common word is 'is' and the common code is 'lee' so, 'lee' means 'is'

\therefore 'Sweet' is coded as 'tee'

S42. Ans.(b)

Sol.

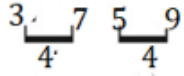
$$37 - \frac{35}{7} - 14 \times 2$$
$$37 - 5 - 28$$
$$= 4$$

S43. Ans.(c)

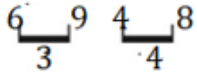
Sol.

1st number = Difference of 1st two

2nd number = last two digits

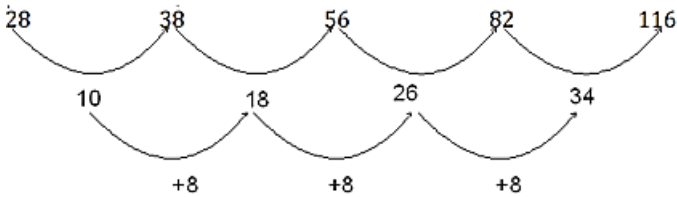


Similarly,



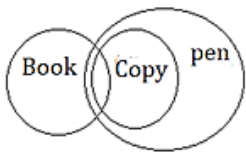
S44. Ans.(b)

Sol. The pattern is,



S45. Ans.(a)

Sol.



Only conclusion I follows

S46. Ans.(d)

Sol. Goniometer, Gooseberry, Governance, Government

S47. Ans.(c)

Sol. Arrangement of their heights in decreasing order is

D- A- E- B- C

S48. Ans.(a)

Sol.

The pattern is:

$$34 \times 34 + (3 \times 4) = 1168$$

Similarly,

$$52 \times 52 + (5 \times 2) = 2714$$

S49. Ans.(c)

Sol. +3, -4 pattern

S50. Ans.(d)

Sol. Neeraj Chopra is a native of Haryana.

Similarly,

Hima Das is a native of Assam.

S51. Ans.(c)

Sol.

The pattern is

$$N+O+R+T+H = 14+15+18+20+8 = 75 \times (3) = 225$$

Similarly,

$$S+O+U+T+H = 19+15+21+20+8 = 83 \times (3) = 249$$

S52. Ans.(c)

Sol. Dengue is caused by Insect similarly, Cholera is caused by Bacteria.

S53. Ans.(b)

Sol.

The pattern is

$$T \xrightarrow{+3} W \xrightarrow{+2} Y \xrightarrow{+3} B \xrightarrow{+2} D \xrightarrow{+3} G$$

$$K \xrightarrow{+3} N \xrightarrow{+2} P \xrightarrow{+3} S \xrightarrow{+2} U \xrightarrow{+3} X$$

$$L \xrightarrow{+3} O \xrightarrow{+2} Q \xrightarrow{+3} T \xrightarrow{+2} V \xrightarrow{+3} Y$$

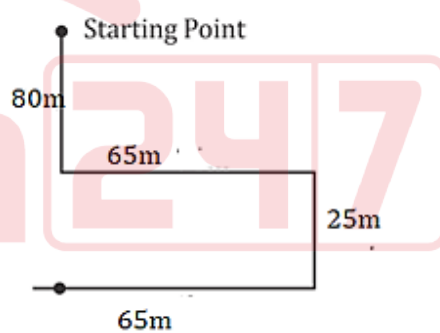
S54. Ans.(a)

Sol. The series is

polrpk

S55. Ans.(c)

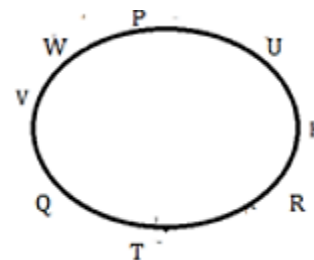
Sol.



Required distance = 80+25 = 105m

S56. Ans.(a)

Sol.



Hence V is sitting second to the right of P.

S57. Ans.(c)

Sol. Biped is related to birds as birds walk on two-foot

Quadruped is related to cows as cows walk on four-foot

S58. Ans.(c)

S59. Ans.(a)

S60. Ans.(d)

S61. Ans.(a)

Sol. Badminton is played in court and wrestling is played in Arena.

S62. Ans.(a)

Sol. $9 \times 2 + 10 = 28$

$65 \times 2 + 10 = 140$

S63. Ans.(d)

Sol.

B Y
2 25

↓
 $(2)^2 \times 25 = 100$

C X
3 24

↓
 $(3)^2 \times 24 = 216$

S64. Ans.(d)

Sol. Except cat, all others belong to dog family.

S65. Ans.(d)

Sol.

$(3)^3 = 27 = 72$

$(5)^3 = 125 = 521$

$(7)^3 = 343 = 343$

$(9)^3 = 729 = 927$

Cube the number and Right in Reverse form of except 729. All are correct in same form.

S66. Ans.(c)

Sol. $12 + 2 = 14$

$14 + 3 = 17$

$17 + 5 = 22$

$22 + 7 = 29$

S67. Ans.(d)

Sol.

A Z Y

(1) (26) (25)

B Y W

(2) (25) (23)

C X U

(3) (24) (21)

D W S

(4) (23) (19)

E V Q

(5) (22) (17)

1st and 2nd row letters are opposite and 3rd letter is the difference of 1st and 2nd letters place value.

S68. Ans.(b)

Sol. ABCDE / ABCDE / ABCDE / ABCDE

S69. Ans.(a)

Sol.

$(1)^2 + (2)^2 + (3)^2 + (4)^2 = 30$

$(2)^2 + (3)^2 + (4)^2 + (5)^2 = 54$

$(3)^2 + (4)^2 + (5)^2 + (6)^2 = 86$

S70. Ans.(c)

Sol.

$12 \times 6 = 72$

$18 \times 4 = 72$

$8 \times 9 = 72$

S71. Ans.(d)

Sol.

Mean proportion = \sqrt{ab}

$\sqrt{36 \times 12.1} = 6.6$

Third proportion = $\frac{(11)^2}{2}$

a : b :: b : c

(Third proportion = $\frac{b^2}{a} = c$)

Ratio = $\frac{66}{10} : \frac{121}{2}$

6 : 55

S72. Ans.(a)

Sol.

12 - 780516

1 - 65043

4 - 260172

Share of C is 4 ratio so, share of C in amount = Rs. 260172

S73. Ans.(d)

Sol.

$$\begin{array}{l}
 A + B \rightarrow \frac{11}{3} \\
 C + D \rightarrow \frac{22}{7} \\
 A + B + C + D \rightarrow \frac{22}{2 \times 13} \\
 = \frac{11}{13} \text{ days.}
 \end{array}$$

S74. Ans.(b)

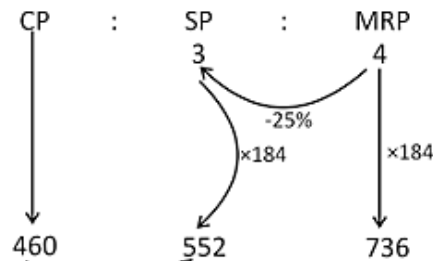
Sol.

$$\begin{array}{l}
 A \rightarrow 12 \\
 B \rightarrow 18 \\
 \rightarrow 36
 \end{array}$$

Working together for 5 days. $5 \times (3 + 2) = 25$.
 Remaining work = $36 - 25 = 11$
 $\frac{11}{36}$ work is Remaining.

S75. Ans.(a)

Sol.



$$\text{Profit \%} = \frac{92}{460} \times 100 = 20\%$$

S76. Ans.(d)

Sol.

$$\begin{array}{l}
 5 : 4 \\
 10 : 9 \\
 25 : 23 \\
 \hline
 625 : 414 \\
 \rightarrow 211
 \end{array}$$

$$\text{Dis. \%} = \frac{211}{625} \times 100 = 33.76\%$$

S77. Ans.(a)

Sol.

Three year ago, sum of age of Amit, Bittu and Chitu together = $27 \times 3 = 81$ years
 Four years hence, sum of ages of Amit, Bittu and Chitu together = $81 + 7 \times 3 = 102$ years
 Let Four years hence
 Amit's age be $7x$ \Rightarrow Chitu's age be $10x$ and Bittu's age be $10x - 6$
 ATQ,
 $7x + 10x - 6 + 10x = 102$
 $\Rightarrow 27x = 108 \Rightarrow x = 4$
 Four years hence, Amit's age = $7 \times 4 = 28$ years
 Present age of Amit = $28 - 4 = 24$ years

S78. Ans.(d)

Sol.

$$\begin{array}{l}
 \text{LCM, 15, 18, 42} \\
 = 630 \\
 \text{No. divided by 15, 18, 42} \\
 \text{leaves remainder 8} \\
 630 \times 3 \\
 1890 + 8 = 1898 \\
 \text{No. divisible by 13} \\
 1898 = 1 + 8 + 9 + 8 \\
 = 26 \text{ (digit sum)}
 \end{array}$$

S79. Ans.(a)

Sol.

$$\begin{array}{l}
 \sqrt{5535.36} \\
 = 74.4
 \end{array}$$

S80. Ans.(b)

Sol.

23474 is exactly divisible by 2 and 11.
 $(2 + 4 + 4) - (3 + 7) = 0$
 Rule of divisible by 11.

S81. Ans.(b)

Sol.

$$\begin{array}{l}
 P = 10,000 \\
 R = 6\% \\
 T = 2.5 \text{ years} \\
 \text{SI}
 \end{array}$$

$$\begin{array}{l}
 \text{For 2.5 year,} \\
 \text{SI} = \frac{P \times R \times T}{100} \\
 = \frac{10,000 \times 6 \times 2.5}{100} \\
 = 100 \times 6 \times 2.5 \\
 = 60 \times 25 \\
 = 1,500
 \end{array}$$

CI

$$\begin{array}{l}
 \text{For 2 years,} \\
 A = P \left(1 + \frac{R}{100}\right)^2 \\
 = 10000 \left(1 + \frac{6}{100}\right)^2 \\
 = 10000 \times \frac{53}{50} \times \frac{53}{50} \\
 = 4 \times 53 \times 53 \\
 = 11,236
 \end{array}$$

$$\begin{array}{l}
 \text{CI for } \frac{1}{2} \text{ year} = \frac{11,236 \times 6}{100} \times \frac{1}{2} \\
 = 674.16 \times \frac{1}{2} = 337.08
 \end{array}$$

$$\begin{array}{l}
 \text{CI for 2 years} = 11,236 - 10,000 \\
 = 1,236
 \end{array}$$

$$\begin{array}{l}
 \text{CI for 2.5 years} = 1236 + 337.08 \\
 = 1573.08
 \end{array}$$

$$\begin{array}{l}
 \text{Difference} = 1573.08 - 1500 \\
 = 73.08
 \end{array}$$

S82. Ans.(c)

Sol.

$$\begin{array}{l}
 \text{Mean proportion} = \sqrt{(15 + \sqrt{50})(3 - \sqrt{2})} \\
 = \sqrt{5(3 + \sqrt{2})(3 - \sqrt{2})} \\
 = \sqrt{5 \times (9 - 2)} = \sqrt{5 \times 7} = \sqrt{35}
 \end{array}$$

S83. Ans.(b)**Sol.**Let Rohit's age be $3x$ and Jatin's age be $5x$.

According to Question

$$\frac{3x-20+5}{5x-25+5} = \frac{4}{7}$$

$$21x - 105 = 20x - 80$$

$$x = 25$$

Rohit's age = 75 years

Jatin's age = 125 years

S84. Ans.(b)**Sol.**Let the amount added be x litres.

Amount of milk earlier = 70% of 90

$$= 63 \text{ litres}$$

$$80\% (90 + x) = 63 + x$$

$$\frac{4}{5} (90 + x) = 63 + x$$

$$360 + 4x = 315 + 5x$$

$$x = 45 \text{ litres}$$

S85. Ans.(b)**Sol.**Total score in 10 innings = $60 \times 10 = 600$ runsScore in 11th innings = $600 - 550 = 50$ runsLet the score in 12th innings be x .

$$\frac{600+50+x}{12} = 70$$

$$650 + x = 840$$

$$x = 840 - 650$$

$$x = 190 \text{ runs}$$

S86. Ans.(a)**Sol.**

SP of 26 pencils = CP of 20 pencils

$$(\text{Pencils}) \text{ Loss}\% = \frac{\text{CP of 26 Pencils} - \text{SP of 26 Pencils}}{\text{CP of 26 Pencils}} \times 100$$

$$= \frac{26-20}{26} \times 100 = \frac{6}{26} \times 100$$

Similarly,

$$(\text{Pen}) \text{ Loss}\% = \frac{15-12}{15} \times 100 = \frac{3}{15} \times 100$$

$$\text{Ratio} = \frac{6}{26} \times \frac{15}{3} = \frac{45}{39} = 45 : 39$$

S87. Ans.(c)**Sol.**

Let the marked price of each bag be Rs. 100.

Customer gets 12 bags in the price of 10 bags.

Price of 12 bags 1200

$$\text{Discount \%} = \frac{1200 - 1000}{1200} \times 100$$

$$= \frac{200}{1200} \times 100 = \frac{50}{3}$$

$$= 16 \frac{2}{3}\%$$

Or

$$D\% = \frac{12-10}{12} \times 100 = 16 \frac{2}{3}\%$$

S88. Ans.(b)**Sol.**30 men \rightarrow 45 days

Let the work be 450 units

30 men's one day work = 10 units

20 days work = 200 units

Work left = 250 units

Work force = 45 men

$$45 \text{ men's one day work} = \frac{10}{30} \times 45 = 15 \text{ units}$$

$$\text{Days taken to do remaining work} = \frac{250}{15} \approx 17$$

S89. Ans.(d)**Sol.** Numbers = $7567 + 8523 - 2355 = 13,735$

It is divisible by 2,747

S90. Ans.(c)**Sol.**

For a number to be divisible by 7 and 9 both, it should be divisible by 63.

In 1 - 500,

First multiple of 63 = $63 \times 1 = 63$ Last multiple of 63 = $63 \times 7 = 441$

Numbers = 7

S91. Ans.(a)**Sol.** The only number which fulfils the given condition is 8421.

It is divisible by 401.

S92. Ans.(a)**Sol.** Difference = $(78 + 84 + 56) - (45 + 52 + 80)$

$$= 218 - 177$$

$$= 41$$

S93. Ans.(c)**Sol.**

$$\text{Central angle} = \frac{260}{(260+240+200+260+240)} \times 360^\circ$$

$$= \frac{360^\circ \times 260}{1200}$$

$$= 3 \times 26 = 78^\circ$$

S94. Ans.(a)

Sol. Required difference = $(240 + 260 + 200) - (260 + 240) = 200$

S95. Ans.(c)

Sol.

$$16 \div 8 \text{ of } 9 \times 36 + 7 \div 49 \text{ of } 2 \times 6 - 4 \div 4 \times 2$$

$$\Rightarrow 16 \div 72 \times 36 + 7 \div 98 \times 6 - 4 \div 4 \times 2$$

$$\Rightarrow \frac{2}{9} \times 36 + \frac{1}{14} \times 6 - 2 = 8 + \frac{3}{7} - 2$$

$$6 + \frac{3}{7} = \frac{45}{7}$$

$$6 \frac{3}{7}$$

S96. Ans.(a)

Sol.

Number are 5×24 & 11×24
 Sum is = $24(5+11)$
 $= 24 \times 16$
 $= 384$

S97. Ans.(d)

Sol.

HCF \times LCM = product of No.
 Product of no. = $\frac{45360}{36} = 1260$

S98. Ans.(b)

Sol.

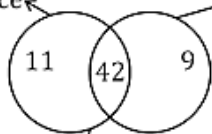


Total failed = $13+40+8 = 61\%$
 Passed = $100-61 = 39\%$

S99. Ans.(a)

Sol.

Failed in science = $100 - 47 = 53$
 F in science



Failed in both
 Passed in both = $100 - (11 + 42 + 9)$
 $= 38\%$

S100. Ans.(d)

Sol.

Boys	Girls
$\frac{40 \times 45}{100}$	$\frac{60 \times 45}{100}$
18	27

Average. weight of whole class = $\frac{55 \times 27 + 65 \times 18}{45} = \frac{45(11 \times 3 + 13 \times 2)}{45}$
 $= 59 \text{ kg}$

S101. Ans.(b)

Sol.

S.I. after five years = $\frac{\text{Principal} \times \text{Time} \times \text{rate}}{100} = 6000$
 Interest earned = 2680
 Rate = $\frac{2680 \times 100}{12000 \times 3} = 7 \frac{4}{9}\%$

S102. Ans.(c)

Sol. Given, the concentration of water in both the containers are 40% and 45%, then the concentration of milk in both the containers will be $(100 - 40) = 60\%$ and $(100 - 45) = 55\%$ respectively.

Hence

Ratio of Concentration of milk in

2 Solution $\Rightarrow 60 : 55 = 12 : 11$

The ratio of milk in both containers is 12 : 11.

S103. Ans.(a)

Sol. required revenue = $(80+120) \times 100 \times 0.8 + (150+120+100) \times 100 = \text{Rs.} 53,000$

S104. Ans.(a)

Sol.

$800 - 500 = 300$
 $= \frac{300}{800} \times 100$
 $= 37.5\%$

S105. Ans.(a)

Sol.

Water : Acid

A $\Rightarrow 11 : 13$

B $\Rightarrow 5 : 7$

Assuming the solutions to be equal in both A and B

A $\Rightarrow 11x : 13x$

B $\Rightarrow 10y : 14y$

Now,

$$\frac{11x+10y}{13x+14y} = \frac{4}{5}$$

$$55x + 50y = 52x + 56y$$

$$3x = 6y$$

$$\frac{x}{y} = \frac{2}{1}$$

S106. Ans.(b)

Sol. Profound – having or showing great knowledge or insight.

- Synonyms: insightful, deep, penetrating.
- Antonyms: shallow, superficial, cursory.

Meaning of given words:

- Deep - extending far down from the top or surface.
- Superficial - existing or occurring at or on the surface.
- Hollow - having a hole or empty space inside.
- Fallow - left unseeded for a season or more.
- Superficial is the opposite of profound, as it refers to having only a basic or limited understanding of a subject or topic, while profound means having or showing great knowledge or insight.
- Therefore, the most appropriate antonym for the given word profound is (b) Superficial.

S107. Ans.(c)

Sol. Protean – tending or able to change frequently or easily.

- Synonyms: versatile, adaptable, flexible.
- Antonyms: inflexible, rigid, unchanging.

Meaning of given words:

- Amateur - engaging or engaged in without payment; non-professional.
- Catholic - (especially of tastes) including a wide variety of things; all-embracing.
- Unchanging - not changing or able to be changed.
- Rapid - happening in a short time or at a great rate.
- Unchanging is the opposite of protean, as it means not changing or able to be changed, while protean means tending or able to change frequently or easily.
- Therefore, the most appropriate antonym for the given word protean is (c) Unchanging.

S108. Ans.(a)

Sol. Quiescent – in a state or period of inactivity or dormancy.

- Synonyms: dormant, inactive, idle.
- Antonyms: restless, active, dynamic.

Meaning of given words:

- Restless - (of a person or animal) unable to rest or relax as a result of anxiety or boredom.
- Exempt - free from an obligation or liability imposed on others.
- Malignant - (of a disease) very virulent or infectious.
- Mendicant - given to begging.
- Restless is the opposite of quiescent, as it means unable to rest or relax as a result of anxiety or boredom, while quiescent means in a state or period of inactivity or dormancy.
- Therefore, the most appropriate antonym for the given word quiescent is (a) Restless.

S109. Ans.(b)

Sol. Latent - (of a quality or state) existing but not yet developed or manifest; hidden or concealed.

- Synonyms - hidden, concealed, dormant, inactive, undeveloped.
- Antonyms - apparent, visible, active, obvious.

Meaning of given options:

- Primitive - relating to, denoting, or preserving the character of an early stage in the evolutionary or historical development of something.
- Hidden - kept out of sight; concealed.
- Potent - having great power, influence, or effect.
- Talented - having a natural aptitude or skill for something.

S110. Ans.(b)

Sol. Massive - large and heavy or solid; exceptionally large.

- Synonyms - huge, enormous, gigantic, bulky, substantial.
- Antonyms - tiny, small, insignificant.

Meaning of given options:

- Tall - of great or more than average height, especially (with reference to an object) relative to width.

- Large- great or much bigger in size.
- Total - comprising the whole number or amount.
- Little - small in size, amount, or degree.

S111. Ans.(b)

Sol. Obnoxious - extremely unpleasant; repugnant.

- Synonyms - repulsive, revolting, loathsome, detestable, odious.
- Antonyms - pleasant, appealing, likable.

Meaning of given options:

- Depressing - causing or resulting in a feeling of miserable dejection.
- Disgusting - causing a strong feeling of dislike or disinclination.
- Arrogant - having or revealing an exaggerated sense of one's own importance or abilities.
- Exaggerated- refers to the act of making something seem larger, more important, more serious, or better than it actually is.

S112. Ans.(d)

Sol. Meaning of the given words:

- Magnate - a wealthy and influential person, especially in business.
- Creator - a person or thing that brings something into existence.
- Pacifist - a person who believes that war and violence are unjustifiable.
- Optimist - a person who tends to take a hopeful view of life.
- Option (d) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S113. Ans.(b)

Sol. Meaning of the given words:

- Propagandist - a person who promotes a particular political cause or point of view.
- Pedestrian - a person who travels by foot.
- Paediatrician - a medical practitioner specializing in children and their diseases.
- Protagonist - the leading character or one of the major characters in a play, film, novel, etc.

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

S114. Ans.(a)

Sol. Meaning of the given words:

- Gregarious - (of a person) fond of company; sociable.
- Bohemian - a socially unconventional person, especially one who is involved in the arts.
- Social - relating to society or its organization.
- Herbivorous - (of an animal) feeding on plants.
- Option (a) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S115. Ans.(b)

Sol. Meaning of the given words:

- Topics - a matter dealt with in a text, discourse, or conversation; a subject.
- Agenda - a list of items to be discussed at a meeting.
- Timetable - a chart showing the departure and arrival times of trains, buses, or aircraft.
- Programme - a planned series of events, performances, or broadcasts.
- Option (b) portrays the same meaning as that of the given group of words & hence it is the correct choice.

S116. Ans.(b)

Sol. In the passage, it is mentioned that the little dog had been lost for hours and didn't know where to go. It had never been away from its home before, indicating that it was in an unfamiliar and confusing situation. Additionally, the passage states that the dog ran up to the group of children and started barking, hoping they would help it. Barking and seeking help suggest that the dog was not happy and excited but rather confused and lost. Therefore, the correct emotional state of the little dog when it ran into the group of children is (b) Confused and lost.

S117. Ans.(d)

Sol. The passage indicates that when the little dog ran up to the group of children and started barking, the children reacted negatively. One of the children said, "Go away, you're not our dog." This negative response suggests that the children believed the dog was a stray and wanted it to leave. There is no information in the passage about the children being afraid of dogs in general or thinking the dog was hurt. Hence, the correct reason why the children reacted negatively to the little dog's presence is (d) They believed the dog was a stray and wanted it to leave.

S118. Ans.(d)

Sol. According to the passage, the woman who saw the dog crying approached and asked, "What's wrong, little guy?" She then decided to help the dog find its way home. The woman took the dog to the nearest animal shelter, and the shelter staff scanned the dog's microchip to find its owner's contact information. It is explicitly stated in the passage that the woman located the little dog's owner by taking it to the animal shelter and scanning for a microchip. Therefore, the correct way the woman located the little dog's owner is (d) She took the dog to the nearest animal shelter to scan for a microchip.

S119. Ans.(c)

Sol. When the woman saw the little dog crying and approached it, the dog looked up at her and wagged its tail. This behavior indicates that the dog recognized the woman as someone who could help, and it responded in a friendly and non-threatening manner by wagging its tail. There is no mention of the dog barking aggressively, running away further into the alleyway, or hiding behind one of the children from the group. Hence, the correct action of the little dog when the woman approached it is (c) It wagged its tail and looked up at her.

S120. Ans.(c)

Sol. "To bury the hatchet" means to end a quarrel or conflict and become friendly.

- Therefore, the correct answer is (c) To reconcile or make peace with someone.
- Example: The two companies decided to bury the hatchet and work together.

S121. Ans.(c)

Sol. "To turn over a new leaf" means to start again in a different and better way, to change your behavior for the better.

- Therefore, the correct answer is (c) To change one's behavior or lifestyle for the better.
- Example: After years of reckless living, he decided to turn over a new leaf.

S122. Ans.(b)

Sol. "To steal the show" means to attract the most attention and praise, especially in a way that takes attention and praise away from other people.

- Therefore, the correct answer is (b) To receive applause and recognition for an outstanding performance.
- Example: The lead actress was good, but it was the villain who really stole the show.

S123. Ans.(c)

Sol. "To have a skeleton in the closet" means to have a hidden secret or shameful fact in someone's past that they would prefer to keep hidden.

- Therefore, the correct answer is (c) To have a hidden secret or shameful past.
- Example: Many politicians have a skeleton in the closet that they hope the press never discovers.

S124. Ans.(b)

Sol. "To let sleeping dogs lie" means to avoid interfering in a situation that is currently causing no problems but may well do so as a result of such interference.

- Therefore, the correct answer is (b) To avoid stirring up old conflicts or problems.
- Example: I knew I could bring up my claim again but decided to let sleeping dogs lie.

S125. Ans.(b)

Sol. The correct answer is option b.

The sentence is grammatically and contextually correct.

The verb want must agree with the noun preceding as well as.

In the given sentence the subject 'The digital functions' is plural. Hence, usage of the plural verb 'Are' is correct.

S126. Ans.(a)

Sol. The correct answer is option a.

The error lies in part (a) of the sentence.

Replace 'Than' with 'To' to make the sentence grammatically correct.

The comparative Adjectives superior inferior, senior, junior, prior, anterior, posterior prefer, etc., should be followed by 'to' instead of 'than'

S127. Ans.(c)

Sol. The correct answer is option c.

The error lies in part (c) of the sentence.

Replace 'Or' with 'Nor' to make the sentence grammatically correct

Neither is followed by 'nor' and 'either' is followed by 'Or'.

S128. Ans.(b)

Sol. The correct answer is option b.

The error lies in part (b) of the sentence.

We use 'The' before the superlative degree. Hence, 'the biggest problem' should be used.

S129. Ans.(d)

Sol. The correct answer is option d.

Replace, 'Than the principal called him' with 'When the principal called him' to make the sentence grammatically correct.

When something is told in the past tense, the adverbials 'hardly, scarcely, barely and no sooner' are often used to emphasise that one event quickly followed another. The verb describing the earlier event is usually in the past perfect tense.

Hardly . . . when - To say that something happened and another thing happened very soon afterwards. hardly, scarcely and barley are followed by when, while no sooner is followed by 'than.'

S130. Ans.(c)

Sol. The correct answer is option c.

Replace, 'Called forth' with 'Called for' to make the sentence grammatically correct.

Call forth - to cause something to exist:

For example - The proposed shopping centre has called forth an angry response from local residents.

Call for- to say publicly that something must happen.

For example - Protesters were calling for a ban on the production of GM foods.

Call in - enlist someone's aid or services.

call off - postpone or cancel.

S131. Ans.(d)

Sol. The correct answer is option d.

Replace 'Possibly as much as they could' with 'As much as they possibly could' to make the sentence grammatically correct.

As much as - It means, 'Almost, to the degree.'

You use as much as before an amount to suggest that it is surprisingly large.

Hence, After the verb 'Ate' we should use the idiom 'As much as.'

Hence, Option (d) is the correct choice.

S132. Ans.(a)

Sol. The correct answer is option a.

The given sentence is grammatically and contextually correct.

S133. Ans.(c)

Sol. The correct answer is option c.

Replace 'worked' with 'Has been working' to make the sentence grammatically correct.

The given sentence states an action (Since 2014 - means still she is working) which indicates the present perfect continuous tense. It shows that something started in the past and is continuing at the present time. The present perfect continuous is formed using the construction has/have been + the present participle (root + -ing).

S134. Ans.(a)

Sol. The correct answer is option a.

Replace 'On account of' with 'In spite of' to make the sentence grammatically correct.

On account of -It is a phrase which means, 'Because of someone or something.'

For example- She can't work much on account of the children.

In spite of- It is used for referring to a fact that makes something else surprising

For example - In spite of feeling tired, we decided to go out.

S135. Ans.(b)

Sol. The wrongly spelled word is option (b) increment.

The correct spelling is "increment," which means an increase or addition, especially one of a series on a fixed scale.

Meanings of the other words:

- **Incorrect:** Not in accordance with fact; inaccurate or wrong.
- **Incubate:** To keep (eggs) warm, typically in an incubator, in order to develop embryos into young organisms. It can also mean to develop slowly or gradually.
- **Incorporate:** To include or combine something as part of a whole, often referring to the integration of something into a larger system or organization.

S136. Ans.(d)

Sol. The wrongly spelled word in the given options is option (d) frowk.

The correct spelling of the word is "frock," which means 'a woman's or girl's dress'.

S137. Ans.(c)

Sol. The correct sentence is: option (c) The grandeur of the ancient Roman Empire is visible in many monuments in Italy and Greece.

- The correct spelling of the word is "grandeur," not "granduor," "grandour," or "granduer." The correct spelling of "monuments" is "monuments," not "monumants."
- "Grandeur" means greatness, splendor, or magnificence. It is often used to describe something that is impressive or awe-inspiring.
- "Monument" refers to a structure, building, or other object that is created to commemorate an important person or event.

S138. Ans.(d)

Sol. The correct answer is option d.

- The proper sequence is – PQRS.
- P introduces the idea of taking care of your body for efficient functioning.
- Q establishes the connection between body and mind, which is a continuation of the thought introduced in P.

- R explains the result of taking care of your body, which logically follows the connection made in Q.
- S provides details on what physical self-care involves, expanding on the ideas presented in P and Q.

S139. Ans.(b)

Sol. The correct answer is option b.

The proper sequence is – SRQP.

- S introduces the concept of happiness being beneficial for health.
- R explains how happiness promotes a healthy lifestyle, which is a specific aspect of the general idea in S.
- Q provides details on the various health benefits of happiness, following up on the points made in R.
- P concludes with a strong statement about the potential impact of happiness on life expectancy, building on the details in Q.

S140. Ans.(d)

Sol. The correct answer is option d.

- The proper sequence is – QPRS.
- Q introduces the idea that poor design or construction of homes causes most home accidents.
- P provides a specific example of the severity of home accidents in some European countries, which relates to the general idea in Q.
- S discusses the specific issue of radon in homes and how design can prevent exposure, expanding on the theme of home safety introduced in Q and P.
- R mentions other health issues caused by indoor pollutants and the role of proper building materials and construction, which ties back to the main theme introduced in Q.

S141. Ans.(b)

Sol. भारत मे कहीं अतिवृष्टि से बाढ़ आती है तो कहीं अनावृष्टि से सूखा पड़ता है।

S142. Ans.(c)

Sol. करण खाने के लिए मिठाई लाया। शुद्ध वाक्य होगा। शेष सभी अशुद्ध वाक्य है।

S143. Ans.(a)

Sol. सुनैना से खाना खाया नहीं जाता। वाक्य का भाववाच्य होगा।
शेष सभी अशुद्ध वाक्य है।

S144. Ans.(a)

Sol. वैद्य जी नाड़ी देखकर इलाज करते हैं। उचित शब्द होगा।

S145. Ans.(c)

Sol. 'टिप्पस भिड़ाना मुहावरे का अर्थ होगा- सिफारिश करवाना
अकल लगाना- युक्ति लगाना
शेष सभी अशुद्ध वाक्य है।

S146. Ans.(a)

Sol. दिया, वाक्य का शुद्ध रूप है-बुद्ध ने पाली भाषा में उपदेश दिए, शुद्ध वाक्य होगा।

S147. Ans.(b)

Sol. वाक्य में रेखांकित अंश के लिए उचित मुहावरा है- किस मर्ज की दवा उचित मुहावरा होगा, शेष सभी अशुद्ध वाक्य है।

S148. Ans.(c)

Sol. प्रातः काल शारदा का श्लोक पढ़िए। उचित शब्द होगा, शेष सभी अशुद्ध शब्द है।

S149. Ans.(a)

Sol. जीवन और साहित्य का घोर संबंध है, में 'घोर' खंड में त्रुटि है।
शुद्ध वाक्य होगा 'जीवन और साहित्य का घनिष्ठ संबंध है'।

S150. Ans.(b)

Sol. "वह व्यक्ति जो विद्यार्थियों को पढ़ाने का कार्य करता है शिक्षक कहलाता है।

S151. Ans.(a)

Sol. लकड़ियों का गट्टर। 'समूह' के बदले गट्टर उपयुक्त शब्द होगा।

S152. Ans.(c)

Sol. 'शरीर का कोई भाग वाक्यांश के लिए उचित शब्द है- अवयव होगा।

S153. Ans.(c)

Sol. नव्या में अब कोई लालसा शेष नहीं थीं, वाक्य में 'उत्कंठा' के सही पर्यायवाची शब्द का प्रयोग हुआ है।

S154. Ans.(a)

Sol. इस वाक्य में प्रयुक्त संयुक्त क्रिया का नाम 'नित्यताबोधक संयुक्त क्रिया' है।

S155. Ans.(d)

Sol. जो कहा न जा सके वाक्यांश के लिए उपयुक्त सार्थक शब्द 'अकथनीय' होगा।

S156. Ans.(c)

Sol. मैत्री भाव सकारात्मक तथा 1. उच्च वर्ग में गिना जाता है। शब्द का प्रयोग उचित है।

S157. Ans.(b)

Sol. मित्रता ऐसा उपहार है जो 2. भाग्यशाली को प्राप्त होता है। शब्द का प्रयोग उचित है।

S158. Ans.(a)

Sol. सच्चा मित्र वही होता है जिसके कारण हमें कभी भी 3. पश्चाताप ना हो। शब्द का प्रयोग उचित है।

S159. Ans.(d)

Sol. जब भी हमारी ऐसी कोई आदत होती है जिससे दूसरे को परेशानी होती है तो ऐसी आदत 4. छोड़ने में ही भलाई है। शब्द का प्रयोग उचित है।

S160. Ans.(d)

Sol. मनुष्य तो 5. सामाजिक प्राणी है। शब्द का प्रयोग उचित है।

S161. Ans.(c)

Sol. नानी याद आना मुहावरे के लिए उपयुक्त सार्थक शब्द है- मुसीबत देखकर घबरा जाना।

S162. Ans.(d)

Sol. 'समुद्र की सीमा अनंत है'। वाक्य में प्रयुक्त अनंत शब्द का विलोम शब्द है- अंत।

S163. Ans.(a)

Sol. कैसा अव्यय से बना विशेषण शब्द नहीं है।
शेष सभी अव्यय से बना विशेषण शब्द है।

S164. Ans.(d)

Sol. 'आज विद्यालय में शिक्षिका ने अंताक्षरी खेलने को कहा। वाक्य में अशुद्ध वर्तनी वाला शब्द है – अंताक्षरी। वाक्य का शुद्ध रूप इस प्रकार होगा- 'आज विद्यालय में शिक्षिका ने अंत्याक्षरी खेलने को कहा।

S165. Ans.(c)

Sol. सूल क्रिया, प्रथम प्रेरणार्थक क्रिया और द्वितीय प्रेरणार्थक क्रिया का सही शब्द-क्रम उठना -उठाना- उठवाना होगा।

S166. Ans.(d)

Sol. दोपहर का अर्थ होता है दो पहरों का समाहार।

S167. Ans.(d)

Sol. जिसका खण्डन न हो सके' वाक्यांश के लिए उचित शब्द है – अखण्डनीय उचित शब्द होगा।

S168. Ans.(c)

Sol. मुसीबत का मारा वह किसी और स्थान पर जा बसा। रेखांकित शब्द-समूह के लिए सर्वाधिक उपयुक्त विकल्प है- अन्यत्र।

S169. Ans.(d)

Sol. जल का विलोम शब्द है- थल। शेष सभी जल के ही पर्यायवाची है।

S170. Ans.(a)

Sol. दो घोड़ों पर सवार होने से तुम सफल नहीं रहोगे। उपरोक्त वाक्य में रेखांकित अंश के लिए **दुरंगी नीति** शब्द उपयुक्त होगा।

S171. Ans.(c)

Sol. 'ऊँट के मुँह में जीरा मुहावरे का सही अर्थ है - अधिक खाने वाले को कम देना।

S172. Ans.(c)

Sol. परंतू, वाक्य का शुद्ध रूप है- वह आया परंतु मैं नहीं गया, शुद्ध शब्द होगा।

S173. Ans.(c)

Sol. जिसने चित्त किसी विषय में दिया (लगाया) है- दत्तचित्त, उपयुक्त शब्द होगा।

S174. Ans.(d)

Sol. हिमालय भारत का ताज है। रेखांकित शब्द के उचित पर्यायवाची शब्द है- गिरिराज।

S175. Ans.(a)

Sol. 'आकलन शब्द के लिए उपयुक्त पर्यायवाची शब्द है- अगणना।

S176. Ans.(a)

Sol. In computer programming, a **logic error** is a bug in a program that causes it to operate incorrectly, but not to terminate abnormally (or crash). A logic error produces unintended or undesired output or other behavior, although it may not immediately be recognized as such.

S177. Ans.(b)

Sol. A **barcode** is a machine-readable representation of data relating to the object to which it is attached.

S178. Ans.(d)

Sol. A **cache server** is a dedicated network server or service acting as a server that saves Web pages or other Internet content locally.

S179. Ans.(c)

Sol. **Spoofing** is a type of scam where an intruder attempts to gain unauthorized access to a user's system or information by pretending to be the user. The main purpose is to trick the user into releasing sensitive information in order to gain access to one's bank account, computer system or to steal personal information, such as passwords.

S180. Ans.(c)

Sol. A **microphone** is a device that translates sound vibrations in the air into electronic signals.

S181. Ans.(d)

Sol. SD cards are a type of non-volatile flash memory that can be used in portable and mobile devices.

- It is one of the most prevalent sorts of memory cards.
- It is designed to fit a lot of memory into a small package.
- It can be found in a variety of small portable devices, including handheld computers, digital video camcorders, digital cameras, and cell phones.
- SD cards also come in a variety of storage capacities.

S182. Ans.(a)

Sol.

- PostScript is a page description language (PDL) that specifies the text and graphic content of a web page.
- It can be used to specify how visuals and text appear on screen and in print.
- **Adobe created the language** in 1984, and it has undergone numerous revisions and updates since then.
- Like other computer languages, PostScript supports a variety of data types, including numbers, arrays, and texts.

S183. Ans.(b)

Sol. In Microsoft Word, in order to change the case of selected text in a document, consider the following steps:

Step : #1 Select the text you want to change.

Step : #2 Locate the Font group in the Home Tab and click the drop-down arrow in 'Change Case' button.

Step : #3 Select the desired case with a left click.

The case menu offers four options:

Lowercase: It changes the text from uppercase to lowercase in the document.

Sentence case: It capitalizes the first letter of each sentence in the document.

Uppercase: It capitalizes all the all letters of your text in the document.

Capitalize Each Word: It capitalizes the first letter of each word in the document.

Toggle Case: It allows you to shift between two case views in the document.

S184. Ans.(c)

Sol.

- The standard language for object-oriented databases is **OQL, which stands for Object Query Language.**
- OQL represents data as variables, functions or data structures.
- Companies that need to store vast amounts of complicated data frequently use these databases.
- OQL allows you to run queries and retrieve data from object databases.
- It is made to work closely with programming languages like C++, Smalltalk, and Java.

S185. Ans.(a)

Sol.

- A digital publication that can be read on a computer, e-reader, or other electronic device is referred to as an **eBook.**
- eBooks can be downloaded in a variety of file formats.
- Some formats are open and may be read on a variety of devices, while others are proprietary and can only be viewed on a single device, such as an iPad or Kindle.
- An eBook is a non-editable book that has been converted to a digital format that may be read on a computer screen or on a mobile device.

S186. Ans.(c)

Sol.

- A **repository** is a central file storage site in software development.
- Version control systems employ it to keep track of multiple versions of files.
- While a repository can be set up for a single user on a local workstation, it is frequently stored on a server that can be accessed by several users.
- To safeguard users, many software repositories contain built-in security mechanisms.
- A software repository, for example, may be designed to be anti-malware, and many have authentication measures in place to prevent fraudulent use.

S187. Ans.(b)

Sol.

- The Dynamic Host Configuration Protocol (DHCP) assigns a unique **IP address** to each device that joins to a network automatically.
- There is no need to manually assign IP addresses to new devices while using DHCP.
- Most routers and networking devices use DHCP as the default protocol.
- A DHCP server assigns each device on a network a dynamic IP address and other network setup parameters so that they can communicate with other IP networks.

S188. Ans.(d)

Sol.

- The act of posting or sending offensive messages via the Internet is known as **flaming or bashing**.
- These remarks, known as "flames," can be transmitted via e-mail or instant messaging systems, or posted in online discussion forums or newsgroups.
- Online discussion forums, sometimes known as bulletin boards, are the most popular site where flaming occurs.
- Flaming frequently results in insults being traded among members of a particular forum.

S189. Ans.(b)

Sol.

- A webmaster is a person who is responsible for the **maintenance of a website**.
- A webmaster could be a web developer and the same person who created a website.
- A webmaster's responsibilities include maintaining a functional website.
- A webmaster can maintain track of all aspects of a website.
- They keep track on its search engine rankings, functionality, speed, and design.

S190. Ans.(a)

Sol.

- A **scraper site** is one that uses web scraping to copy content from other websites.
- The content is then replicated in order to generate cash, mainly through advertising and occasionally through the sale of user data.
- Scraper sites are designed to collect user information such as e-mail addresses so that spam e-mail can be sent to them.
- Search engines like Google could be classified as scraper sites.

S191. Ans.(a)

Sol.

- SNMP stands for Simple Network Management Protocol, and it is an **application layer protocol** for managing and monitoring networked devices.
- Multiple local devices, such as routers, switches, servers, firewalls, and wireless access points, use the SNMP protocol, which may be accessed by their IP address.
- The User Datagram Protocol is used to implement it (UDP).
- UDP is a connectionless protocol that functions similarly to the Transmission Control Protocol (TCP) but does not require error-checking or recovery services.

S192. Ans.(c)

Sol.

- Swipe is a command that is commonly used on **touchscreen** devices like smartphones and tablets.
- Some laptops with trackpads and desktop PCs with trackpad input also support it.
- A swipe is when you move your finger across a touchscreen or trackpad quickly.
- In a photo viewing app, for example, swiping the screen from right to left normally displays the next picture.
- You may also switch between home screens by swiping left or right on most smartphones.

S193. Ans.(d)**Sol.**

- A servlet is a **Java web application** that runs on a server.
- It is similar to an applet, but instead of being processed on the client's PC, it is processed on the server.
- When a user clicks a link, fills out a form, or takes another action on a website, servlets are frequently invoked.
- Servlets are one of many tools available to web developers for creating dynamic webpages and processing data sent by visitors.
- Servlets make creating Web applications simple for programmers who are already familiar with the Java programming language.

S194. Ans.(a)**Sol.**

- **Internal Hard Drive devices** is NOT equipped with a USB port.
- The most prevalent form of computer port in today's PCs is the Universal Serial Bus (USB).
- Keyboards, mice, game controllers, printers, scanners, digital cameras, and removable media drives can all be connected to it.
- You may attach up to 127 peripherals to a single USB port and use them all at once with the help of a few USB hubs.
- Older ports, such as serial and parallel connectors, are slower than USB.

S195. Ans.(d)**Sol.**

- The process of diagnosing the source of a problem is known as **troubleshooting**.
- It is used to troubleshoot issues with hardware, software, and a variety of other goods.
- When a computer or program becomes broken, unresponsive, or behaves abnormally, it can be repaired and restored.

- Troubleshooting is used to keep a system or program in the desired state, particularly when it encounters or exhibits a problem.

S196. Ans.(b)**Sol.**

- The frontside bus (FSB) connects the processor to the **system memory (RAM)** and other motherboard components.
- The system chipset, AGP card, PCI devices, and other peripherals are among these components.
- The FSB is also known as the "system bus" since it is the main path from the processor to the rest of the motherboard.
- Like the processor, the frontside bus's speed is measured in Megahertz or Gigahertz.

S197. Ans.(b)**Sol.**

- A Brouter is a networking device that may act as a **bridge** and a router at the same time.
- It may route data to particular systems inside a network as well as forward data between networks.
- It can work at the Data Link Layer or the Network Layer.
- When configured as a router, Brouter is full duplex and it is half duplex when configured as a bridge.

S198. Ans.(b)**Sol.**

- In the OSI model, the **physical layer** interacts with actual hardware and signalling mechanisms.
- The physical layer of the OSI network model is the only one that deals with the physical connection between two separate stations.
- Protocols and other higher-layer objects are not addressed by the physical layer.
- Network adapters, ethernet, repeaters, networking hubs, are the examples of Physical layer.

S199. Ans.(c)

Sol.

- Windows key + Down arrow key : Minimizes app windows
- Windows key + Up arrow key : Maximizes app windows
- **Windows key + Ctrl + D : Adds a virtual desktop**
- Windows key + Shift + Up arrow : Stretches the desktop window to the top and bottom of the screen

- Windows key + Number : Opens the app pinned to the taskbar in the position specified by the number

S200. Ans.(b)

Sol.

- Ctrl + Equal sign : Used to Apply subscript formatting
- Ctrl + Shift + Plus sign : Used to Apply superscript formatting
- Ctrl + Shift + > : Increases the font size
- Ctrl + M : Used to insert a new slide
- Ctrl + Shift + Tab : Switches between outline and thumbnail pane

