

STAFF SELECTION COMMISSION
Multi Tasking (Non-Technical) Staff

SOLVED PAPER

(7th October 2021: Shift-2)

Time Allotted- 100 Minutes

Max marks- 100

Important Instructions:-

- ⇒ This paper contains 100 questions which are divided into 4 sections and each section contains 25 questions.
 - ✓ General English
 - ✓ General Intelligence & Reasoning
 - ✓ Numerical Aptitude
 - ✓ General Awareness
- ⇒ There will be 1 mark for each correct answer and also there will be a negative marking of 0.25 for each wrong answer.
- ⇒ Each question is compulsory to attempt and there will be no negative marking for unattempted questions.

General English

1. Select the INCORRECTLY spelt word.
1. Emmigrate 3. Eminent
2. Emphasis 4. Emergency
2. Select the most appropriate option to fill in the blank.
_____ he was feeling sick, he ate all the food.
1. In case 2. So that 3. Although 4. Because
3. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
There is no need to make changes in many part of this sentence as it is grammatically correct.
1. no substitution required 3. any
2. all 4. that
4. Select the INCORRECTLY spelt word.
1. Invite 2. Invalid 3. Invoke 4. Inward
5. Select the most appropriate meaning of the given idiom.
Babe in the woods
1. A wise old person
2. A young defenceless person
3. A pale and sickly person
4. A foolish and stupid person
6. Select the most appropriate ANTONYM of the given word.
PROTECT
1. Harm 2. Cover 3. Secure 4. Keep
7. Select the most appropriate word for the given group of words.
A disease causing a person to fall unconscious involuntarily
1. Insomnia 2. Senility 3. Epilepsy 4. Dementia
8. Select the most appropriate option to fill in the blank.
Dhyan Chand is _____ one of the greatest hockey players of all time.
1. thought 2. observed 3. considered 4. believed
9. Select the most appropriate synonym of the given word.
IMPLORE
1. Refuse 3. Plead
2. Answer 4. Apologize
10. Select the most appropriate option to fill in the blank.
She _____ a lot about her health problems.
1. concerns 2. troubles 3. suffers 4. worries
11. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
Penguins have very shorter wings.
1. Penguins have 3. no error
2. wings 4. very shorter
12. Select the most appropriate ANTONYM of the given word.
CONTENTED
1. Thankful 3. Comfortable
2. Pleased 4. Dissatisfied
13. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
The breakdown in power supply was causing by a defective transformer.
1. the breakdown 3. was causing by
2. no error 4. in power supply
14. Select the most appropriate word for the given group of words.
To run after
1. Sprint 2. Rush 3. Race 4. Pursue
15. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
He was keen set an example for others.
1. for others 2. he was 3. keen set 4. no error
16. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.
Switch off the television if you not watching it.
1. do not watching it 3. did not watched it
2. no substitution required 4. are not watching it
17. Select the most appropriate option to substitute the underlined segment in the given sentence.
They were not surprised by the results and nor were I.
1. did 2. was 3. do 4. are
18. Select the most appropriate option to fill in the blank.
Prem Chand, _____ mainly wrote about rural India, was a great Hindi writer.
1. that 2. whom 3. who 4. which

19. Select the most appropriate meaning of the given idiom.
Be all ears
1. Not being alert 3. Eager to listen
2. Ready to wait 4. Be content
20. Select the most appropriate synonym of the given word.
ANXIETY
1. Delight 2. Worry 3. Calmness 4. Faith

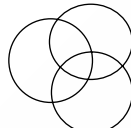
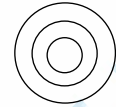
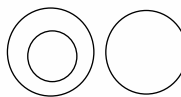

Comprehension:

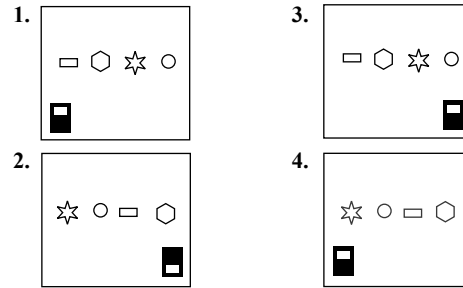
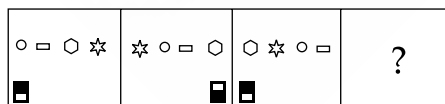
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Soon after the visitors left the room, the artist came in. He was ready (1)_____ on the portrait. He had always hoped that (2)_____ portrait would bring him great acclaim. It (3)_____ turning out really well. A smile appeared on (4)_____ face as he thought of it. Then he (5)_____ to the canvas and uncovered it. He was shocked to see that somebody had scratched the entire painting with a knife.

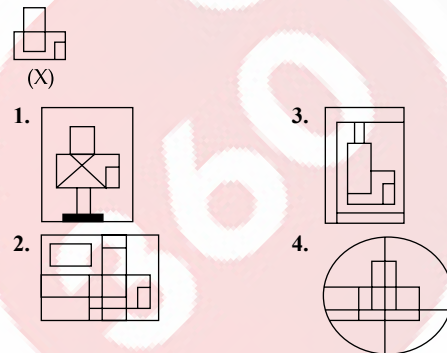
21. Select the most appropriate option to fill in blank no. 1.
1. to work 2. worked 3. working 4. work
22. Select the most appropriate option to fill in blank no. 2.
1. it 2. that 3. this 4. these
23. Select the most appropriate option to fill in blank no. 3.
1. is 2. was 3. were 4. are
24. Select the most appropriate option to fill in blank no. 4.
1. his 2. their 3. its 4. her
25. Select the most appropriate option to fill in blank no. 5.
1. appeared 2. arrived 3. reached 4. came

General Intelligence and Reasoning

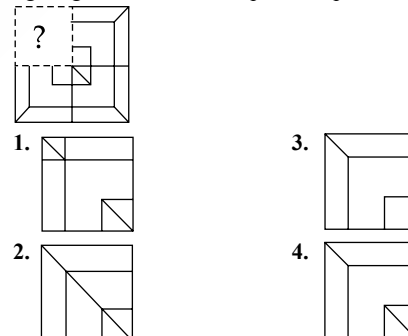
26. Which of the following numbers will replace the question mark (?) in the given series?
27, 29, 32, 37, 44, 55, 68, ?
1. 85 2. 71 3. 80 4. 90
27. Select the Venn diagram that best illustrates the relationship between the following classes.
Animals, Cattle, Cow
1.  3. 
2.  4. 
28. Six friends are sitting in a line facing West. Gaurav is sitting at the third place to the left of Meenal. Varun is sitting between Vasu and Meenal. Poorvi is third to the right of Varun. Lalit is sitting to the immediate right of Meenal. Gaurav is sitting at one of the corners. Who is sitting to the immediate left of Poorvi?
1. Vasu 2. Gaurav 3. Meenal 4. Lalit
29. If $Q > Z = U, P = T < E, Q < D < P$, then which of the following expressions is NOT correct?
1. $U < D$ 2. $Z < T$ 3. $U > T$ 4. $Q > U$
30. Select the figure that will replace the question mark (?) in the following figure series.



31. Which two numbers should be interchanged to make the given equation correct?
 $45 \div 5 \times 7 + 18 - 9 = 48$
1. 45 and 9 2. 9 and 7 3. 5 and 9 4. 18 and 9
32. 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.
CROP : WVYJ :: NASTY : ?
1. FAZKR 2. ZABHO 3. FAZHU 4. GABHV
33. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



34. In a certain code language, 'ROSTED' is written as '91282054' and 'MYSTIC' is written as '14282093'. How will 'FLARED' be written in that language?
1. 2115011754 3. 2115261854
2. 6012261854 4. 2015260954
35. Which of the following numbers will replace the question mark (?) in the given series?
21, 26, 41, 76, 141, ?
1. 217 2. 203 3. 177 4. 246
36. In a certain code language, 'FRINGE' is written as '61891475'. How will 'PLEASE' be written in that language?
1. 111522119 3. 161251195
2. 171512105 4. 161251095
37. Select the option that will replace the question mark (?) in the figure given below to complete the pattern.



38. Study the given pattern carefully and select the number that can replace the question mark (?) in it.
 28 45 22
 20 36 ?
 64 81 16
 1. 34 2. 20 3. 18 4. 36
39. In a certain code language, 'POUR' is written as 'KLFJ'. How will 'PROJECT' be written in that language?
 1. KMBTIJR 3. KJLRVXH
 2. KILPUYG 4. KILQVXG
40. Select the option that is related to the third word in the same way as the second word is related to the first word.
 Teacher : School :: Nurse : ?
 1. Hospital 2. Treatment 3. Medicine 4. Surgery

41. Two statements are given 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, decide which of the conclusions logically follow(s) from the statements.

Statements:

No pen is a pencil.
 All pencils are chalks.

Conclusions:

- I. No chalk is a pen.
 - II. No pencil is a pen.
 - III. Some chalks are pencils.
1. Only conclusions I and III follow.
 2. Only conclusions II and III follow.
 3. All of the conclusions follow.
 4. Only conclusions I and II follow.

42. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following expression?
 17 C 12 A (6 B 4) D 8 A 15 D 5
 1. 13 2. 21 3. 11 4. 17
43. Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

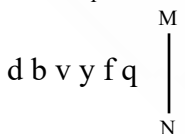
Statements:

All cars are buses.
 Some cars are trucks.

Conclusions:

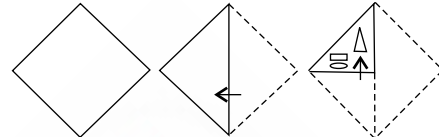
- I. Some trucks are cars.
 - II. Some buses are trucks.
1. Neither conclusion I nor II follows.
 2. Both conclusions I and II follow.
 3. Only conclusion II follows.
 4. Only conclusion I follows.

44. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



1. b J v d b
2. p i l v q b
3. p i v d b
4. p i v l q p

45. In a certain code language, 'SERPENT' is written as 'RESPTNE'. How will 'CONTACT' be written in that language?
 1. MOCTTDB 3. NCOTTAD
 2. CPOUBDU 4. NOCTTCA
46. Seven girls A, B, C, D, E, F and G are sitting around a circular table facing the centre of the table. E is sitting between D and C. G is second to the right of E. A is third to the right of C. B is between A and D. A is second to the left of D. Who is at the third place to the right of F?
 1. B 2. D 3. E 4. A
47. A paper is folded and cut as shown below. How will it appear when unfolded?



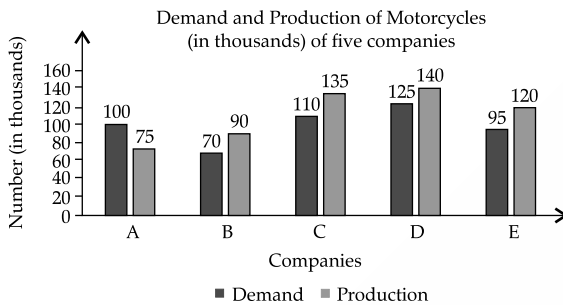
- 1.
- 2.
- 3.
- 4.

48. Select the option that is related to the third word in the same way as the second word is related to the first word.
 Complete : Unfinished :: Defeat : ?
 1. Sorrow 3. Opponent
 2. Victory 4. Desire
49. Which of the following letter-clusters will replace the question mark (?) in the given series?
 HQMR, IRLQ, JSKP, KTJO, ?
 1. LUIN 2. LUJO 3. MUJN 4. MUIO
50. Select the option that is related to the third number in the same way as the second number is related to the first number.
 11 : 242 :: 14 : ?
 1. 288 2. 392 3. 289 4. 882

Numerical Aptitude

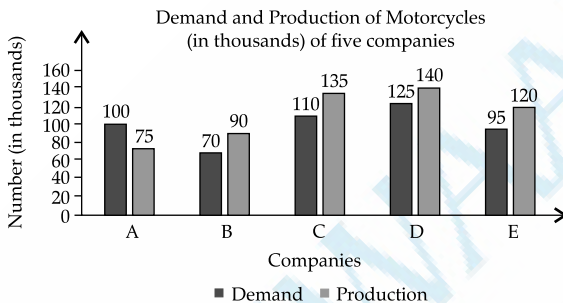
51. 15 men can do a job in 12 days and 18 women can do it in 15 days. How many days will 5 men and 3 women take to complete the job?
 1. $28\frac{5}{7}$ 2. $25\frac{5}{7}$ 3. $23\frac{5}{7}$ 4. $27\frac{5}{7}$
52. If each side of a rectangle is increased by 12%, then by what percentage will its area increase?
 1. 12.65% 2. 27.5% 3. 25.44% 4. 18.54%
53. The profit earned by selling an article for ₹832 is equal to the loss incurred when the article is sold for ₹448. What should be the selling price (in ₹) for making 20% profit?
 1. 640 2. 768 3. 704 4. 720
54. A person sold an article at a loss of 7%. Had he sold it at a gain of 10.5%, he would have received ₹105 more. To gain 11%, he should have sold it (in ₹) for:
 1. 600 2. 666 3. 636 4. 642

55. The average of eleven number is 80. The average of the first four numbers is 74.5 and that of the next four numbers is 82.5. The ninth number is 6 more than the tenth number, and the tenth number is 6 less than the eleventh number. What is the average of the ninth and eleventh numbers?
 1. 87 2. 80 3. 86 4. 85
56. A can do one-fourth of a work in 5 days and B can do two-fifth of the work in 10 days. In how many days can both A and B together do the work?
 1. $12\frac{1}{9}$ 2. $11\frac{1}{9}$ 3. $13\frac{1}{9}$ 4. $10\frac{1}{9}$
57. The least number which when divided by 15, 25, 35, 40 leaves remainders 10, 20, 30, 35, respectively, is:
 1. 4210 2. 4200 3. 4205 4. 4195
58. How much time (in years) will it take for an amount of ₹900 to yield ₹81 as interest at 4.5% per annum of simple interest?
 1. 50 2. 3 3. 4 4. 2
59. Study the following graph and answer the question that follows.



The company whose production of motorcycles is approximately 12% more than the demand is:

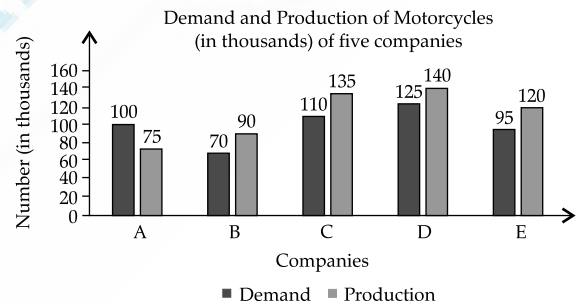
1. D 2. C 3. E 4. B
60. Study the following graph and answer the question that follows.



The average production of motorcycles of companies A, B and C is what percentage less than the demand of motorcycles of D?

1. 20% 2. 22.5% 3. 18% 4. 12.5%
61. The income of A is 50% more than that of B. If the income of A is increased by 40% and the income B is increased by 30%, then the percentage increase in their combined income is:
 1. 24% 2. 32% 3. 40% 4. 36%
62. The values of the mode and median are 7.52 and 9.06, respectively, in a moderately asymmetrical distribution. The mean of the distribution is:
 1. 9.83 2. 8.67 3. 10.23 4. 9.5
63. A path 6 m wide runs around and outside of a rectangular plot of length 10 m and breadth 8 m. The area (in m²) of the path is:
 1. 440 2. 600 3. 80 4. 360

64. The speeds of three cars are in the ratio of 3 : 4 : 8. The ratio of the time taken by these cars of travelling the same distance is:
 1. 8 : 6 : 3 2. 6 : 8 : 3 3. 8 : 3 : 6 4. 6 : 3 : 8
65. A dealer bought an article at 10% discount on its marked price and sold it at a price which is 20% above the marked price. The gain percentage (correct to the nearest integer) is:
 1. 33% 2. 35% 3. 25% 4. 28%
66. Excluding stoppages, the speed of a bus is 60 km/h and including stoppages, it is 51 km/h. For how many minutes does the bus stop per hour?
 1. 9 2. 12 3. 8 4. 10
67. The total number of students in class A and B is 92. The number of students in A is 30% more than that in B. The average weight (in kg) of students in B is 50% more than of students in A. If the average weight of all the students in A and B is 56 kg, then what is the average weight (in kg) of student in B?
 1. 46 2. 40 3. 69 4. 52
68. The ratio of the present ages of A and B is 6 : 5. Four years ago, this ratio was 5 : 4. What will be the ratio of the ages of A and B after ten years?
 1. 11 : 15 2. 17 : 15 3. 15 : 11 4. 15 : 17
69. The volume of a metallic cylindrical pipe is 1232 cm³. If its external radius is 7 cm and thickness is 2 cm, then the length of the pipe (correct to one decimal place) (in cm) is:
 (Take $\pi = \frac{22}{7}$)
 1. 18.5 2. 17.2 3. 16.3 4. 14.2
70. A sum of ₹x is divided among A, B and C such that the ratio of the shares of A and B is 7 : 12 and that of B and C is 8 : 5. If the difference in the shares of A and C is 219, then the value of x is:
 1. 17,231 2. 15,321 3. 11,607 4. 21,901
71. If x is a positive quantity, then what is the value of 3x, if $0.42\bar{3} - 0.2$ of $52.5 \div 0.84 = x^2 - (0.02\bar{1} + 12.5)$?
 1. 2 2. $\frac{1}{4}$ 3. $\frac{1}{2}$ 4. 1
72. Study the following graph and answer the question that follows.



The total production of motorcycles of companies B and E is what percentage of the demand of motorcycles of all the companies taken together?

1. 40% 2. 46% 3. 48% 4. 42%
73. A sum of ₹7,500 amounts to ₹8,748 after 2 years at a certain rate per annum compounded annually. What will be the simple interest (in ₹) on the same sum for 3 years at double the earlier rate?
 1. 3,600 2. 3,750 3. 4,200 4. 2,800
74. The speed of a boat in still water is 30 km/h and the rate of the current is 6 km/h. The distance (in km) travelled upstream in 5 minutes is:
 1. 3 2. 4 3. 2 4. 2.5

75. The value of $1\frac{19}{21} - \left[1\frac{10}{21} + \frac{1}{2} \text{ of } \frac{1}{3} \div \frac{7}{12} - \left(\frac{2}{7} \text{ of } \frac{1}{5} \right) \right]$ is:
1. $\frac{1}{5}$ 2. $\frac{3}{5}$ 3. $\frac{2}{5}$ 4. $\frac{1}{10}$

General Awareness

76. Which causative agent is responsible for spreading AIDS?
1. Bacteria 2. Virus 3. Protozoa 4. Fungus
77. Which of the following Union Ministries organises All India Whips' Conference to establish suitable links among the whips of various political parties at the centre and the states/ union territories who are concerned with the practical working of the legislatures?
1. Ministry of Home Affairs
2. Ministry of Information and Broadcasting
3. Ministry of Parliamentary Affairs
4. Ministry of Human Resource Development
78. Synthetic fibres catch fire easily. However, the uniforms of firemen have a coating of _____ plastic to make them flame resistant.
1. nylon 2. melamine 3. acrylic 4. rayon
79. Who among the following is the author of the book 'The Testaments'?
1. Jokha Alharthi 3. Anna Burns
2. Andrew Sean Greer 4. Margaret Atwood
80. Which of the following two nations will host the FIFA Women's World Cup 2023?
1. Norway and Sweden
2. Australia and New Zealand
3. The US and Canada
4. Japan and South Korea
81. Which of the following are the cellular structures responsible for protein synthesis?
1. Lysosomes 3. Golgi apparatus
2. Mitochondria 4. Ribosomes
82. Who among the following was elected as the President of the Indian National Congress in the year 1938 and 1939?
1. Subhash Chandra Bose 3. C Rajagopalachari
2. Dr. Rajendra Prasad 4. Sardar Vallabhbhai Patel
83. The deficiency of Vitamin _____ causes Pellagra.
1. B3 2. B6 3. B2 4. B12
84. Statistics Day of India is celebrated each year on 29 June to mark the birth anniversary of:
1. KC Sreedharan Pillai 3. Raghu Raj Bahadur
2. CR Rao 4. PC Mahalanobis
85. Human Development Report is published by:
1. United Nations Conference on Trade and Development
2. United Nations Child and Education Fund
3. United Nations Development Program
4. United Nations Capital Development Fund
86. Which of the following ministries of the Government of India is the nodal Ministry for 'Garib Kalyan Rojgar Abhiyaan' launched in June 2020?
1. The Ministry of Rural Development
2. The Ministry of Jal Shakti
3. The Ministry of Housing and Urban Affairs
4. The Ministry of Labour and Employment
87. Which of the following teams won the inaugural Cricket World Cup in 1975?
1. East Africa 3. England
2. Australia 4. West Indies
88. As per the Constitution of India, what is the maximum number of states for which the same person can be appointed as Governor?
1. There is no limit 3. Two states
2. One state 4. Three states
89. Which of the following scripts is considered as the mother of all modern Indian scripts?
1. Harappan 3. Devanagari
2. Brahmi 4. Bengali-Assamese
90. Which of the following planets does NOT have any moon?
1. Saturn 2. Venus 3. Uranus 4. Jupiter
91. In which of the following states is Bishnupur, famous for terracotta temples located?
1. Telangana 3. West Bengal
2. Gujarat 4. Meghalaya
92. Which of the following is the largest mangrove forest in the world?
1. Godavari-Krishna Mangroves
2. Pichavaram Forest
3. Gulf of Panama Mangroves
4. Sundarbans Reserve Forest
93. The All India Muslim League was founded in 1906 at:
1. Lahore 2. Bombay 3. Lucknow 4. Dacca
94. Tsering Landol, who was one of the recipients of the Padma Bhushan 2020 award, hails from:
1. Sikkim 3. Arunachal Pradesh
2. Mizoram 4. Ladakh
95. Which of the following rivers flows into the Bay of Bengal?
1. Narmada 2. Mahanadi 3. Tapti 4. Indus
96. Which of the following Articles of the Constitution of India empowered the Parliament to provide by law for continued use of English for official purposes even after 25 January 1965?
1. Article 348 (2) 3. Article 343 (3)
2. Article 348 (3) 4. Article 343 (2)
97. Population Geography is a branch of _____.
1. Settlement Geography 3. Human Geography
2. Cultural Geography 4. Physical Geography
98. Which of the following texts gives the most detailed account of the history of Kashmir?
1. Ritusamhara 3. Abhijanashakuntalam
2. Rajatarangini 4. Meghadutam
99. With which of the following fields was Kishori Amonkar associated?
1. Indian classical music 3. Indian classical dance
2. Western music 4. Indian classical instrument
100. According to the UN Conference on Trade and Development (UNCTAD), India was the _____ largest recipient of Foreign Direct Investment (FDI) in the year 2019.
1. 7th 2. 8th 3. 9th 4. 10th

Answer Key

1. (1)	2. (3)	3. (3)	4. (3)	5. (2)	6. (1)	7. (3)	8. (3)	9. (3)	10. (4)
11. (4)	12. (4)	13. (3)	14. (4)	15. (3)	16. (4)	17. (2)	18. (3)	19. (3)	20. (2)
21. (1)	22. (3)	23. (2)	24. (1)	25. (4)	26. (1)	27. (3)	28. (4)	29. (3)	30. (3)
31. (3)	32. (3)	33. (2)	34. (3)	35. (4)	36. (3)	37. (4)	38. (3)	39. (4)	40. (1)
41. (2)	42. (3)	43. (2)	44. (3)	45. (4)	46. (2)	47. (1)	48. (2)	49. (1)	50. (2)
51. (2)	52. (3)	53. (2)	54. (2)	55. (3)	56. (2)	57. (4)	58. (4)	59. (1)	60. (1)
61. (4)	62. (1)	63. (4)	64. (1)	65. (1)	66. (1)	67. (3)	68. (2)	69. (3)	70. (3)
71. (1)	72. (4)	73. (1)	74. (3)	75. (1)	76. (2)	77. (3)	78. (2)	79. (4)	80. (2)
81. (4)	82. (1)	83. (1)	84. (4)	85. (3)	86. (1)	87. (4)	88. (1)	89. (2)	90. (2)
91. (3)	92. (4)	93. (4)	94. (4)	95. (2)	96. (3)	97. (3)	98. (2)	99. (1)	100. (3)

Answers with Explanations

1. **Option (1) is correct.**
The incorrectly spelt word is 'Emmigrate'. It should be 'Emigrate'. 'Emigrate' means to leave one's own country in order to settle permanently in another.
2. **Option (3) is correct.**
The correct sentence is : Although he was feeling sick, he ate all the food. 'Although' is a conjunction, meaning 'in spite of'. Here, inspite of feeling sick, he ate all the food. 'In case' is used to express that we are doing something in preparation for something which might happen. 'So that is used to talk about purpose.' While 'because' is a conjunction of reason.
3. **Option (3) is correct.**
There is no need to make changes in any part of this sentence as it is grammatically correct. We use 'any' before nouns to refer to indefinite or unknown quantities or an unlimited entity. The unknown quantity referred in the sentence is 'part'.
4. **Option (3) is correct.**
The incorrectly spelt word is 'invoke'. It should be 'invoke'. 'Invoke' means to cite or appeal to (someone or something) as an authority for an action or in support of an argument.
5. **Option (2) is correct.**
The idiom 'babe in the woods' means an innocent or naive person, especially one in a difficult or dangerous environment. The correct answer is : young defenceless person. The tourist who was duped by the locals was a babe in the woods.
6. **Option (1) is correct.**
Protect means keep safe from harm or injury. All options, except (1) are synonyms of the given word. So 'harm' is the correct antonym.
7. **Option (3) is correct.**
Insomnia is a common sleep disorder that can make it hard to fall asleep, hard to stay asleep. Senility is the physical and mental decline associated with old age; epilepsy is a disorder of the brain characterised by repeated seizures that causes a person to fall unconscious involuntarily. Dementia is a general term for loss of memory, language, problem-solving and other thinking abilities that are severe enough to interfere with daily life. Therefore, a disease causing a person to fall unconscious involuntarily is epilepsy.
8. **Option (3) is correct.**
Dhyan Chand is considered one of the greatest hockey players of all time. 'Observed' means to notice; 'considered' implies carefully evaluate; believed implies 'hold (something) as an opinion'.
9. **Option (3) is correct.**
'Implore' means 'to beg someone earnestly'. Therefore, 'plead' is correct.
10. **Option (4) is correct.**
The correct sentence is : She worries a lot about her health problems. 'Concerns' means to involve somebody; 'worries' imply feeling or showing concern or anxiety about what is happening or might happen.
11. **Option (4) is correct.**
The correct sentence is : Penguins have shorter wings. For comparative degree 'very' is not used; 'very much' is preferred.
12. **Option (4) is correct.**
Contented means 'feeling or expressing happiness or satisfaction.' Therefore, 'dissatisfied' is the appropriate antonym.
13. **Option (3) is correct.**
The correct sentence is : The breakdown in power supply was caused by a defective transformer. The incorrect part is 'was causing by' which will be replaced by 'was caused by'. The sentence is in past tense, so the structure should be: was + past participle (caused).
14. **Option (4) is correct.**
'Sprint' means to run at full speed over a short distance. 'Rush' implies a sudden quick movement towards something, 'pursue' means 'to follow in order to catch up with and seize/ to run after'. 'Race' means to move or progress swiftly or at full speed. Therefore, 'pursue' is appropriate.
15. **Option (3) is correct.**
The correct sentence is : He was keen to set an example for others. The part 'keen set' should be replaced by 'keen to set'. The verb 'keen' will take the infinitive form 'to' followed by the base form of the verb.
16. **Option (4) is correct.**
The correct sentence is : Switch off the television if you are not watching it. 'Is/are/am' are used to describe the state/ feeling/condition that someone is in. By rule, 'you' always takes a plural verb. So 'are' is correct.
17. **Option (2) is correct.**
The correct sentence is : They were not surprised by the results and nor was I. Here, 'were' will be replaced by 'was'. This is so because, the subject is 'I', so it will take a singular verb 'was'.
18. **Option (3) is correct.**
The correct sentence is : Prem Chand, who mainly wrote about rural India, was a great Hindi writer. 'Who' should be used to refer to the subject of a sentence. 'Whom' should be used to refer to the object of a verb or preposition. 'That' introduces a clause that describes things or non-human objects. Since , Prem Chand is the subject, 'who' is appropriate .

19. Option (3) is correct.

'Be all ears' means to be waiting eagerly to hear about something. Example: The class was all ears when the teacher announced the results. Therefore, eager to wait.

20. Option (2) is correct.

Anxiety is a feeling of fear, dread, and uneasiness. So 'worry' is the correct synonym.

21. Option (1) is correct.

The correct sentence is : He was ready to work on the portrait. The verb 'ready' will take the infinitive form of verb, so the structure is: to+ base form of the verb.

22. Option (3) is correct.

The correct sentence is : He had always hoped that this portrait would bring him great acclaim. The paragraph focuses on a particular portrait, so 'this' is appropriate.

23. Option (2) is correct.

The correct sentence is : It was turning out really well. Since the subject is 'it', the verb will be in singular 'is/was'. The passage is in past tense, so the tense will be 'was'.

24. Option (1) is correct.

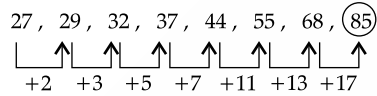
The correct sentence is : A smile appeared on his face as he thought of it. The gender referred to in the passage is a male, so the pronoun 'his' is correct.

25. Option (4) is correct.

The correct sentence is : Then he came to the canvas and uncovered it. 'Appeared' means to seem; 'arrived' implies 'reach a place at the end of a journey or a stage in a journey.' 'Reached' means to arrive at a place, especially after spending a long time or a lot of effort travelling. So 'came' is the correct option.

26. Option (1) is correct.

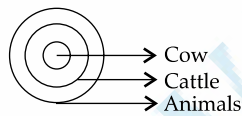
The pattern of the series is as follows:



Therefore, 85 will complete the series.

27. Option (3) is correct.

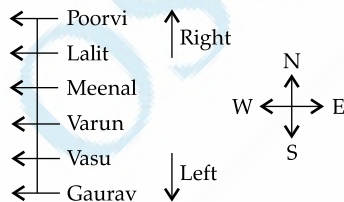
The best suited venn diagram of the following statements is as follows:



Here, all cows are cattle animals.

28. Option (4) is correct.

The sitting arrangement of six friends in a line facing west is as follows:



From the above arrangement, Lalit is sitting to the immediate left of Poorvi.

29. Option (3) is correct.

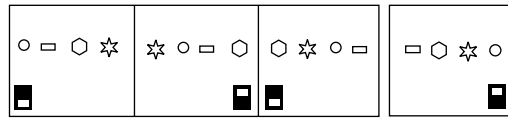
From the given question, we have $Q > Z = U < D < P = T < E$
 From option (1): $U < D$ is correct.
 From option (2): $Z > T$ is correct.
 From option (3): $U > T$ is false.

From option (4): $Q > U$ is correct.

Therefore, $U > T$ is not correct.

30. Option (3) is correct.

The pattern of the figure series is as follows:



Here each element in the figure is moving one step forward in right direction and the block is shifting left and right with flipping black and white color.

31. Option (3) is correct.

Given expression: $45 \div 5 \times 7 + 18 - 9 = 48$

Upon checking option (3) and interchanging numbers, we get:

$$45 \div 9 \times 7 + 18 - 5 = 48$$

$$\Rightarrow 5 \times 7 + 18 - 5 = 48$$

$$\Rightarrow 35 + 18 - 5 = 48$$

$$\Rightarrow 53 - 5 = 48$$

$$\Rightarrow 48 = 48$$

$$\text{LHS} = \text{RHS}$$

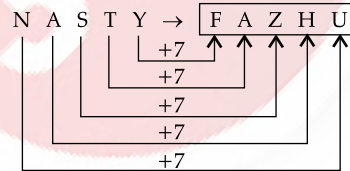
32. Option (3) is correct.

Given that: CROP : WVYJ



Here, each letter of the given word is increased by 7.

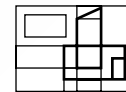
Similarly, NASTY is written in the same way



Therefore, NASTY will be written as FAZHU.

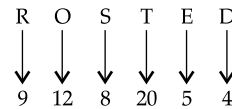
33. Option (2) is correct.

The option figure (2) in which the embedded figure is as follows:

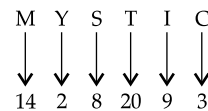


34. Option (3) is correct.

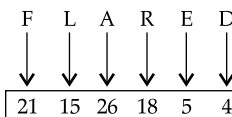
Given that: ROSTED is written as 91282054



And, MYSTIC is written as 14282093



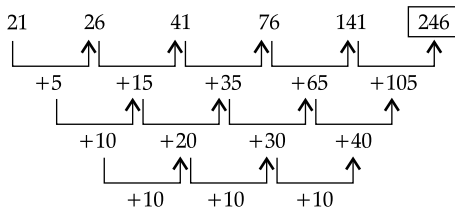
Similarly, FLARED is written in the same way



Hence, FLARED will be written as 2115261854.

35. **Option (4) is correct.**

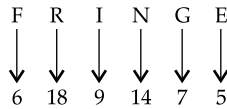
The pattern of the series is as follows:



Therefore, 246 will complete the series.

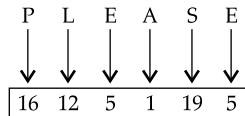
36. **Option (3) is correct.**

Given that: FRINGE is written as 61891475



Here, each letter of the given word is directly assigned its alphabetical number.

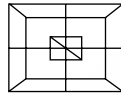
Therefore, PLEASE is written in the same way



Similarly, PLEASE will be written 161251195.

37. **Option (4) is correct.**

Option figure (4) will complete the given figure as shown below.

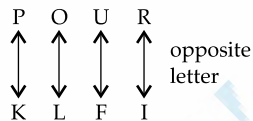


38. **Option (3) is correct.**

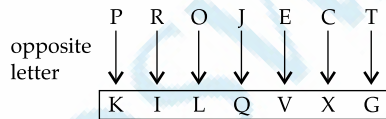
From column 1: $28 - \sqrt{64} = 28 - 8 = 20$
 From column 2: $45 - \sqrt{81} = 45 - 9 = 36$
 Similarly, from column 3: $22 - \sqrt{16} = 22 - 4 = 18$

39. **Option (4) is correct.**

Given that: POUR is written as KLF I



Here, each letter of the given word is assigned its opposite letter.



Similarly, PROJECT is written in the same way
 Therefore, PROJECT will be written as KILQVXG.

40. **Option (1) is correct.**

As teacher teaches in the school. Similarly, nurse take care of the patients in the hospital.

41. **Option (2) is correct.**

The venn diagram of the given statements is as follows:



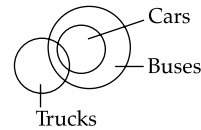
From conclusion I: No chalk is a pen is false.
 From conclusion II: No pencil is a pen is true.
 From conclusion III: Some chalks are pencils is also true.
 Therefore, only conclusions II and III follow.

42. **Option (3) is correct.**

Given expression:
 $17 C 12 A (6 B 4) D 8 A 15 D 5$
 After putting signs, we get:
 $17 - 12 + (6 \times 4) \div 8 + 15 \div 5$
 $\Rightarrow 17 - 12 + 24 \div 8 + 3$
 $\Rightarrow 17 - 12 + 3 + 3$
 $\Rightarrow 17 - 12 + 6$
 $\Rightarrow 5 + 6 = 11$

43. **Option (2) is correct.**

The venn diagram of the given statements is as follows:



From conclusion I: Some trucks are cars is true.
 From conclusion II: Some buses are trucks is also true.
 Hence, both the conclusions I and II follow.

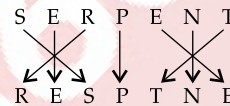
44. **Option (3) is correct.**

The mirror image of the given figure is as follows:



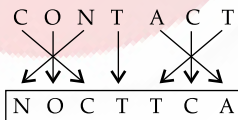
45. **Option (4) is correct.**

Given that: SERPENT is written as RESPTNE



Here, the first three letters and last three letters of the given words are interchanged with each other and the middle letter remains the same.

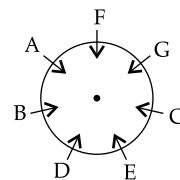
Similarly, CONTACT is written in the same way



Therefore, CONTACT will be written as NOCTTCA.

46. **Option (2) is correct.**

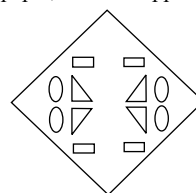
The sitting arrangement of seven girls around a circular table facing the centre is as follows:



From the above arrangements, D will be in the third place to the right of F.

47. **Option (1) is correct.**

After unfolded the paper, it would appear that

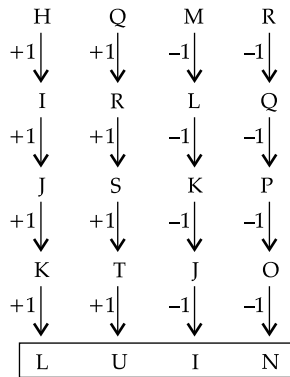


48. **Option (2) is correct.**

As complete is an antonym of unfinished, similarly, defeat is an antonym of victory.

49. Option (1) is correct.

The pattern of the given series is as follows:

**50. Option (2) is correct.**

Given that: $11 : 242$

$$(11)^2 + (11)^2 = 121 + 121 = 242$$

Similarly, $14 : ?$

$$(14)^2 + (14)^2 = 196 + 196 = \mathbf{392}$$

51. Option (2) is correct.

Total work = Efficiency \times time

15 men can complete a job = 12 days

So, 1 man can complete a job = $12 \times 15 = 180$ days

18 women can complete a job = 15 days

So, 1 woman can complete a job = $18 \times 15 = 270$ days

Total work (LCM of 180 and 270) = 540 units

$$1 \text{ man efficiency} = \frac{540}{180} = 3 \text{ units}$$

$$1 \text{ woman efficiency} = \frac{540}{270} = 2 \text{ units}$$

$$\begin{aligned} \text{Work done by 5 men and 3 women in 1 day} \\ = 5(3) + 3(2) = 15 + 6 = 21 \text{ units} \end{aligned}$$

$$\begin{aligned} \text{Total work done by 5 men and 3 women} \\ = \frac{540}{21} = \frac{180}{7} = 25\frac{5}{7} \text{ days} \end{aligned}$$

52. Option (3) is correct.

Let the length of the rectangle = x units

Breadth of the rectangle = y units

So, area of rectangle = xy

New area of the rectangle = $(x + 12\% \text{ of } x) \times (y + 12\% \text{ of } y)$

$$= \left(\frac{112x}{100}\right) \times \left(\frac{112y}{100}\right)$$

$$= \frac{12544xy}{10000}$$

$$\text{Increase in area} = \left[\frac{12544xy}{10000}\right] - xy$$

$$= \frac{12544xy - 10000xy}{10000}$$

$$= \frac{2544xy}{10000}$$

$$\text{Required percentage} = \left[\frac{2544xy}{10000} \div xy\right] \times 100$$

$$= (2544xy \times 100) / (10000 \times xy) = 25.44\%$$

53. Option (2) is correct.

$$\text{Profit} = \text{SP} - \text{CP}$$

$$\text{Loss} = \text{CP} - \text{SP}$$

$$\text{SP} = \text{CP} \left\{ \frac{100 + \text{Profit}\%}{100} \right\}$$

According to question

Profit earned by selling the article for ₹ 832

= Loss incurred by selling the article at ₹ 448

$$\text{Original SP} - \text{CP} = \text{CP} - \text{New SP}$$

$$\Rightarrow 832 - \text{CP} = \text{CP} - 448$$

$$\Rightarrow 2 \times \text{CP} = 832 + 448$$

$$\Rightarrow \text{CP} = \frac{1280}{2}$$

$$\Rightarrow \text{CP} = ₹ 640$$

Now, the selling price for making 20% profit,

$$\text{SP} = \text{CP} \times \left\{ \frac{100 + \text{profit}\%}{100} \right\}$$

$$= 640 \times \left\{ \frac{100 + 20}{100} \right\}$$

$$= 640 \times \left\{ \frac{120}{100} \right\} = ₹ 768$$

54. Option (2) is correct.

$$\text{SP} = \text{CP} - \text{Loss}$$

$$\text{SP} = \text{CP} + \text{Profit}$$

According to question

Let the cost price of an article is x

$$\text{CP} - \text{Loss} + 105 = x + 10.5\% \text{ of } x$$

$$\left(\frac{93x}{100}\right) + 105 = \frac{110.5x}{100}$$

$$105 = \frac{110.5x}{100} - \left(\frac{93x}{100}\right)$$

$$105 = \frac{17.5x}{100}$$

$$x = \frac{105 \times 100}{17.5}$$

$$x = 600$$

The selling price to gain 11% = $600 + 11\% \text{ of } 600$

$$= 600 + 66 = 666$$

55. Option (3) is correct.

The sum of 11 numbers = $80 \times 11 = 880$

The sum of first 4 numbers = $74.5 \times 4 = 298$

The sum of next 4 numbers (i.e. five, six, seven and eight number) = $82.5 \times 4 = 330$

Let the 11th number = x

So, 10th number = $x - 6$

9th number = $x - 6 + 6 = x$

According to question

$$298 + 330 + x + x - 6 + x = 880$$

$$622 + 3x = 880$$

$$3x = 880 - 622$$

$$x = 86$$

Average of 9th and 11th number

$$= \frac{86 + 86}{2} = \frac{172}{2} = 86$$

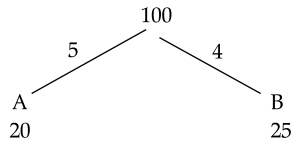
56. Option (2) is correct.

A can do $\frac{1}{4}$ th of work = 5 days

A can do the entire work = 20 days

B can do $\frac{2}{5}$ th of work = 10 days

B can do the entire work = $10 \times \frac{5}{2} = 25$ days



A and B together can do the work

$$= \frac{100}{5+4} = \frac{100}{9} = 11\frac{1}{9} \text{ days}$$

57. Option (4) is correct.

LCM of 15, 25, 35 and 40 is 4200 (i.e. $5 \times 3 \times 5 \times 7 \times 8$)

The difference of divisor and remainder = $15 - 10 = 5$

Similarly, $25 - 20 = 5$

$35 - 30 = 5$

$40 - 35 = 5$

Since, the difference is 5 in each case

So, subtract 5 from 4200

$$4200 - 5 = 4195$$

58. Option (4) is correct.

$$SI = \frac{P \times R \times T}{100}$$

$$\Rightarrow 81 = \frac{900 \times 4.5 \times T}{100}$$

$$\Rightarrow T = \frac{81 \times 100}{900 \times 4.5}$$

$$\Rightarrow T = 2 \text{ years}$$

59. Option (1) is correct.

Company D production = 140

Company D demand = 125

According to question

112% of demand of D

$$= \left(\frac{112}{100}\right) \times 125 = 140$$

= Production of D

60. Option (1) is correct.

Average production of the motorcycles of companies

$$A, B \text{ and } C = \frac{75 + 90 + 135}{3} = \frac{300}{3} = 100$$

The demand of motorcycle D = 125

$$\text{Required \%} = \frac{125 - 100}{125} \times 100$$

$$= \frac{25}{125} \times 100 = 20\%$$

61. Option (4) is correct.

Let the B's income = ₹ 100x

A's income = ₹ 100x + 50% of 100x

$$= 100x + 50x = 150x$$

A's increased income

$$= ₹ 150x + 40\% \text{ of } 150x$$

$$= 150x + 60x = 210x$$

B's increased income

$$= ₹ 100x + 30\% \text{ of } 100x$$

$$= 150x + 60x = 130x$$

New increased income = 210x + 130x = 340x

Old income of A and B = 150x + 100x = 250x

$$\text{Required percentage} = \left[\frac{340x - 250x}{250x} \right] \times 100$$

$$= \left[\frac{90}{250} \right] \times 100 = 36\%$$

62. Option (1) is correct.

Mode = 3 Median - 2 Mean

Calculation:

$$7.52 = 3(9.06) - 2 \text{ Mean}$$

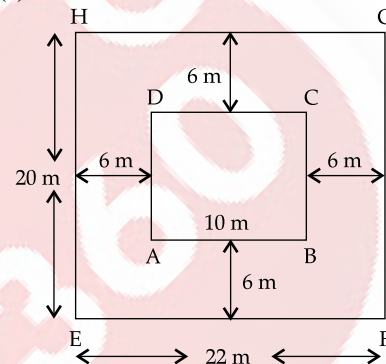
$$\Rightarrow 7.52 = 27.18 - 2 \text{ Mean}$$

$$\Rightarrow 2 \text{ Mean} = 27.18 - 7.52$$

$$\Rightarrow 2 \text{ Mean} = 19.66$$

$$\Rightarrow \text{Mean} = \frac{19.66}{2} = 9.83$$

63. Option (4) is correct.



The area of rectangle = Length \times Breadth

The area of rectangle EFGH = $22 \times 20 = 440 \text{ m}^2$

The area of inner rectangle ABCD = $10 \times 8 = 80 \text{ m}^2$

Area of path = Area of rectangle EFGH - Area of inner rectangle ABCD

$$440 - 80 = 360 \text{ m}^2$$

64. Option (1) is correct.

$$\text{Speed} = \frac{1}{\text{Time}}$$

$$\text{or, Time} = \frac{1}{\text{speed}}$$

$$\text{Ratio of time of 3 cars} = \left(\frac{1}{3}\right) : \left(\frac{1}{4}\right) : \left(\frac{1}{8}\right)$$

L.C.M of 3, 4 and 8 = 24

$$\left(\frac{1}{3}\right) \times 24 : \left(\frac{1}{4}\right) \times 24 : \left(\frac{1}{8}\right) \times 24$$

$$8 : 6 : 3$$

65. Option (1) is correct.

Selling Price = Market Price - Discount

Let the market price is x

Cost Price of the dealer = x - 10% of x

$$= x - \left(\frac{10x}{100}\right)$$

$$= \frac{90x}{100}$$

$$\text{Dealer brought at } \frac{90x}{100}$$

Selling Price of the product for dealer = market price + 20% of market price $x + 20\%$ of x

$$= \frac{120x}{100}$$

$$\text{Profit} = \left(\frac{120x}{100} \right) - \left(\frac{90x}{100} \right)$$

$$\text{Profit} = \frac{30x}{100}$$

$$\text{Profit \%} = \left[\frac{\frac{30x}{100}}{\frac{90x}{100}} \right] \times 100$$

$$= \frac{100}{3} = 33.33\%$$

66. Option (1) is correct.

Distance = Speed \times time taken

The average speed (including stoppages)

$$= \frac{51 \text{ km}}{\text{hour}}$$

So, in one hour distance travelled = 51 km

The average speed (excluding stoppages)

$$= 60 \text{ km/hour}$$

At this speed time is taken by bus to travel 51 km

$$= \frac{51}{60} \text{ hrs} = 51 \text{ minutes}$$

So, at a speed of $\frac{60 \text{ km}}{\text{hour}}$, the bus can travel a distance of

51 km every 51 minutes.

For every hour, the bus stops for $60 - 51 = 9$ minutes

67. Option (3) is correct.

$$A + B = 92$$

$$A = B + 30\% \text{ of } B$$

$$\Rightarrow A = \frac{130B}{100}$$

$$\Rightarrow A = 130 \times \frac{92 - A}{100}$$

$$\Rightarrow A = \frac{11960 - 130A}{100}$$

$$\Rightarrow 100A = 11960 - 130A$$

$$\Rightarrow 230A = 11960$$

$$\Rightarrow A = 52$$

$$\text{and } B = 92 - 52 = 40$$

Let the average weight of the students of section

$$A = x$$

Average weight of students of section

$$B = x + 50\% \text{ of } x$$

$$= \frac{150x}{100}$$

$$= 1.5x$$

$$56 = \frac{52x + 40 \times 1.5x}{92}$$

$$\Rightarrow 56 \times 92 = 52x + 60x$$

$$\Rightarrow 5152 = 112x$$

$$\Rightarrow x = 46$$

$$B = x + 50\% \text{ of } 46$$

$$= 46 + 23 = 69$$

68. Option (2) is correct.

$$\text{Ratio 4 years ago} = 5:4$$

$$\text{Present age ratio} = 6:5$$

To find the ratio of age after 10 years, we need to change the 10 years in terms of unit

$$4 \text{ years} = 1 \text{ unit}$$

$$10 \text{ years} = 2.5 \text{ units}$$

$$\text{Present age ratio} = 6:5$$

So, the ratio after 10 years

$$= (6 + 2.5) : (5 + 2.5)$$

$$= (8.5) : (7.5)$$

$$= 17 : 15$$

69. Option (3) is correct.

$$\text{Volume of cylinder} = \pi r^2 h$$

$$\text{Internal radius} = \text{External radius} - \text{Thickness}$$

$$\text{External radius} = 7 \text{ cm}$$

$$\text{Internal radius} = (7 - 2) \text{ cm} = 5 \text{ cm}$$

$$\text{Volume of pipe} = \pi(7^2 - 5^2) h$$

$$1232 = \left(\frac{22}{7} \right) \times (49 - 25) h$$

$$\Rightarrow 1232 = \left(\frac{22}{7} \right) \times 24 \times h$$

$$\Rightarrow h = \frac{1232 \times 7}{22 \times 24}$$

$$\Rightarrow h = 16.3 \text{ cm}$$

70. Option (3) is correct.

$$\text{Ratio of A and B} = 7:12 \quad \dots(1)$$

$$\text{Ratio of B and C} = 8:5 \quad \dots(2)$$

$$(1) \times 2 \text{ and } (2) \times 3$$

$$\text{Ratio of A and B} = 14:24 \quad \dots(1)$$

$$\text{Ratio of B and C} = 24:15 \quad \dots(2)$$

$$\text{Ratio of A, B and C} = 14:24:15$$

$$\text{Difference of A and C} = 15 - 14 = 1 \text{ unit}$$

$$1 \text{ unit represents} = 219$$

$$A + B + C = 14 + 24 + 15 = 53 \text{ unit}$$

$$53 \text{ unit will represent} = 219 \times 53 = 11,607$$

71. Option (1) is correct.

$$\text{Let, } x = 0.42\bar{3}$$

$$x = 0.4233$$

Multiplying both sides by 100, we get

$$= 100x = 42 + 0.33$$

$$= 100x = 42 + \left(\frac{3}{9} \right)$$

$$= 100x = \frac{378 + 3}{9}$$

$$\Rightarrow 100x = \frac{381}{9}$$

$$x = 381/900$$

$$\text{Let, } y = 0.02\bar{1}$$

$$\Rightarrow y = 0.0211$$

Multiplying both sides by 100, we get

$$100y = 2 + 0.11$$

$$\Rightarrow 100y = 2 + \left(\frac{1}{9} \right)$$

$$\Rightarrow 100y = \frac{18 + 1}{9}$$

$$\Rightarrow 100y = \frac{19}{9}$$

$$\Rightarrow y = \frac{19}{900}$$

Now,

$$\left(\frac{381}{900}\right) - 0.2 \times 52.5 \div 0.84 = x^2 - \left[\left(\frac{19}{900}\right) + 12.5\right]$$

$$\Rightarrow \left(\frac{381}{900}\right) - 10.5 \div 0.84 = x^2 - \left[\left(\frac{19 + 11250}{900}\right)\right]$$

$$\Rightarrow \left(\frac{381}{900}\right) - 12.5 = x^2 - \left[\left(\frac{11269}{900}\right)\right]$$

$$\Rightarrow \left(\frac{381 - 11250}{900}\right) = x^2 - \left[\left(\frac{11269}{900}\right)\right]$$

$$\Rightarrow \left(\frac{-10869}{900}\right) = x^2 - \left[\left(\frac{11269}{900}\right)\right]$$

$$\Rightarrow \left(\frac{400}{900}\right) = x^2$$

$$\Rightarrow x = \frac{2}{3}$$

$$\Rightarrow 3x = 3\left(\frac{2}{3}\right) = 2$$

72. **Option (4) is correct.**

Total production of the motorcycles of companies B and E = 90 + 120 = 210

Demand of motorcycles of all the companies

$$= 100 + 70 + 110 + 125 + 95 = 500$$

$$\text{Required \%} = \frac{210}{500} \times 100 = 42\%$$

73. **Option (1) is correct.**

$$A = P\left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow 8748 = 7500\left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow \frac{2916}{2500} = \left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow \left(\frac{27}{25}\right)^2 = \left(1 + \frac{R}{100}\right)^2$$

$$\Rightarrow \frac{27}{25} = \left(1 + \frac{R}{100}\right)$$

$$\Rightarrow \frac{R}{100} = \frac{2}{25}$$

$$\Rightarrow R = 8\%$$

Now,

$$P = 7500$$

$$R = 8 \times 2 = 16\%$$

$$\text{Time} = 3 \text{ years}$$

$$SI = \frac{P \times R \times T}{100}$$

$$= \frac{7500 \times 16 \times 3}{100}$$

$$= 3600$$

74. **Option (3) is correct.**

Distance = speed \times time

Upstream speed = Speed of boat – speed of current

$$\text{Upstream speed} = \frac{(30 - 6) \text{ km}}{h} = \frac{24 \text{ km}}{h}$$

Distance covered in 1 hour (60 minutes) = 24 km

Distance covered in 1 minute

$$= \left(\frac{24}{60}\right) \text{ km}$$

Distance covered in 5 minutes

$$= \left(\frac{24}{60}\right) \times 5 \text{ km} = 2 \text{ km}$$

75. **Option (1) is correct.**

$$1\frac{19}{21} - \left[1\frac{10}{21} + \frac{1}{2} \text{ of } \frac{1}{3} \div \frac{7}{12} - \left(\frac{2}{7} \text{ of } \frac{1}{5}\right)\right]$$

$$= \frac{40}{21} - \left[\frac{31}{21} + \frac{1}{6} \div \frac{7}{12} - \frac{2}{35}\right]$$

$$= \frac{40}{21} - \left[\frac{31}{21} + \frac{1}{6} \times \frac{12}{7} - \frac{2}{35}\right]$$

$$= \frac{40}{21} - \left[\frac{31}{21} + \frac{2}{7} - \frac{2}{35}\right]$$

$$= \frac{40}{21} - \left[\frac{155 + 30 - 6}{105}\right]$$

$$= \frac{40}{21} - \left[\frac{179}{105}\right] = \frac{21}{105} = \frac{1}{5}$$

76. **Option (2) is correct.**

AIDS is an acronym that stands for Acquired Immune Deficiency Syndrome. It is a syndrome caused by HIV (human immunodeficiency virus). This virus weakens humans' immune systems, making them more susceptible to infections and diseases. When HIV attacks the T-cells in the immune system, symptoms such as a headache, fever, sore joints, muscles, and so on begin to appear. When AIDS is left untreated, it eventually kills.

77. **Option (3) is correct.**

The All India Whips Conference is organized by the Ministry of Parliamentary Affairs to establish appropriate links between the whips of various political parties at the centre and the states/union territories that are concerned with the practical working of the legislatures. It is governed by the Government of India (Allocation of Business) Rules, 1961, which were enacted under Article 77(3) of the Constitution. In September 1952, Indore hosted the first All India Whips Conference. These conferences aim to improve the operation of Parliament and state legislatures.

78. **Option (2) is correct.**

Melamine is a versatile material that is more resistant to fire and heat than other plastics. It's used to make floor tiles, kitchenware, and firefighter fabrics. Melamine and formaldehyde polymerization result in the formation of this material. It is a subset of Copolymer & Cross-linked Polymers. It is very hard material used to make crockery (it does not break easily).

79. **Option (4) is correct.**

Margaret Atwood wrote the novel The Testaments. She is a Canadian novelist and in 2019 she was awarded the Booker Prize. The book is a sequel of The story of the Handmaid's Tale. In 2000, she was awarded the first Booker Prize for her novel The Blind Assassin.

80. Option (2) is correct.

The FIFA Women's World Cup 2023 will be co-hosted by Australia and New Zealand. FIFA announced its decision following a video conference vote by its governing council. Football Federation Australia and New Zealand Football's joint bid received 22 of the 35 valid votes cast by FIFA Council members, with the Colombian Football Association receiving 13 votes. Because of FIFA's decision, South America will have to wait another year to host its first Women's World Cup, which was first held in 1991.

81. Option (4) is correct.

The primary function of ribosomes is protein synthesis. Because ribosomes are the site of protein synthesis, they are also known as the protein factory of the cell. Ribosomes are classified into two types. 80s eukaryotic ribosomes are found in the cytoplasm of eukaryotic cells. Prokaryotic ribosomes (the 70s) are found in the cytoplasm and are linked to the cell membrane of prokaryotic cells.

82. Option (1) is correct.

In 1938, Subhash Chandra Bose was elected President of the Congress Party. In 1939, Congress held a Tripuri session. Subhash Chandra Bose ran for president of the Indian National Congress. He was elected, but he was forced to resign due to disagreements with Mahatma Gandhi. Gandhi, along with Sardar Patel, backed Pattabhi Sitaramayya for President. Rajendra Prasad was elected president after Subhash Chandra Bose resigned.

83. Option (1) is correct.

Pellagra is a vitamin deficiency disease characterised by dementia, diarrhoea, and dermatitis caused by low levels of niacin or vitamin B-3. Pellagra is caused by a Vitamin B3 deficiency. Niacin and niacinamide are other names for vitamin B3. Meat, vegetables, tree nuts, and bananas all contain it.

84. Option (4) is correct.

National Statistics Day in India is celebrated on June 29th to recognize the contribution of statistics in daily life and to educate the general public on the importance of statistics in socio-economic planning and policy formulation. On June 29, 2007, the first National Statistics Day was observed. The 2020 National Statistics Day theme is SDG-3 (Ensure healthy lives and promote well-being for all at all ages) & SDG-5 (Achieve gender equality and empower all women and girls). The date of June 29th was chosen to commemorate the birth anniversary of Prof. Prasanta Chandra Mahalanobis, who established the National Statistical System, founded the Indian Statistical Institute (ISI), and contributed to India's economic planning and statistical development.

85. Option (3) is correct.

The Human Development Report (HDR) is an annual Human Development Index report published by the United Nations Development Programme's Human Development Report Office (UNDP). In 1990, Pakistani economist Mahub ul Haq and Indian Nobel laureate Amartya Sen launched the first HDR. The UNDP Human Development Report compares countries based on people's educational levels, health status, and per capita income. Health, also known as life expectancy, denotes the number of years a person will live.

86. Option (1) is correct.

The Ministry of Rural Development launched the Garib Kalyan Rojgar Abhiyaan (GKRA). It was launched on June 20, 2020, for 125 days, to increase employment and livelihood opportunities for migrant workers returning to villages and similarly impacted citizens in rural areas. The primary goals of this Abhiyaan were to provide immediate employment

opportunities to returnee migrant workers and similarly affected citizens in rural areas, and flood villages with public infrastructure assets and lay the groundwork for improving long-term livelihood opportunities.

87. Option (4) is correct.

West Indies won the first Cricket World Cup, which was held in England in 1975. Australia and the West Indies played their final match at Lord's. Back in 1975, the Cricket World Cup was officially known as the Prudential World Cup. England won the 2019 ICC Cricket World Cup, which was held at Lords in London. The championship game was played between New Zealand and England.

88. Option (1) is correct.

According to the Indian Constitution, there is no limit to the number of states for which the same person can be appointed as Governor. When the same person is appointed as governor of two or more states, the states share the emoluments and allowances payable to him in the proportion determined by the president. During his term of office, his emoluments and allowances cannot be reduced.

89. Option (2) is correct.

Brahmi is the mother script of most modern Indian scripts such as Devanagari, Bengali, Tamil, and Malayalam, among others.

90. Option (2) is correct.

Because Mercury and Venus are so close to the Sun, they don't have moons. After US researchers discovered 20 new moons of Saturn, the total number of moons increased to 82, three more than Jupiter, which has 79 moons and ranks second after Saturn.

91. Option (3) is correct.

Bishnupur is a city and municipality in the West Bengal district of Bankura. It is well-known for its terracotta temples constructed by the Malla rulers, Shree Krishna Raasleela, and Baluchari sarees. Bishnupur's temples have been on the UNESCO World Heritage Site's Tentative list since 1997.

92. Option (4) is correct.

Sundarbans Reserve Forest contains the world's largest deltaic mangrove forests. It is found in Bangladesh. It is located on the Meghna, Brahmaputra, and Ganges river deltas. It is well-known for its diverse fauna, which includes 260 bird species.

93. Option (4) is correct.

All India Muslim League was established On 30 December 1906, when a conference took place under the control of Nawab Salimullah Khan of Dhaka. It was founded in Dacca, British India (now Dhaka, Bangladesh). In 1906, the constitution of league was made in Karachi, Pakistan. Its first session was held in Karachi in 1907.

94. Option (4) is correct.

Tsering Landol is a pioneer in women's health and an Indian gynaecologist. She is from India's Union Territory of Ladakh. The Government of India bestowed upon her the fourth highest civilian honour, the Padma Shri, in 2006, and the Padma Bhushan in 2020 for her contributions to Indian medicine, making her one of only a few women from Jammu and Kashmir to receive the award, and the first Ladakhi woman doctor to do so. She has worked at the Sonam Norboo Memorial Government Hospital in Leh, as well as other educational institutions.

95. Option (2) is correct.

Krishna, Kaveri, Ganga, and Godavari are some of the Indian rivers that flow into the Bay of Bengal. The Krishna River is a peninsular river that flows for about 1400 kilometres from a spring near Mahabaleshwar to the Bay of Bengal. Its

tributaries include the Tungabhadra, Koyana, Ghatprabha, Musi, and Bhima. Maharashtra, Karnataka, and Andhra Pradesh share their drainage basin. The Mahanadi, Godavari, Krishna, and Kaveri are some of the other major peninsular rivers that flow eastward and drain into the Bay of Bengal. The Nagarjuna Sagar Dam was built across the Krishna River in Nagarjuna Sagar, India, where the river forms a boundary between the districts of Nalgonda in Telangana and Guntur in Andhra Pradesh.

96. Option (3) is correct.

Article 343 (3) of the Indian Constitution empowered the Parliament to legislate the continued use of English for official purposes after January 25, 1965. Article 343(1) of the Indian Constitution of 1949 states that the Union's official language shall be Hindi in Devanagari script. The international form of Indian numerals shall be used for official purposes by the Union. Article 343(2) of the Indian constitution of 1949 states that English will continue to be used as the official language.

97. Option (3) is correct.

Human Geography includes Population Geography. It is the study of the various cultural aspects found throughout the world and how they relate to the spaces and places from which they originate as well as the spaces and places to which they

then travel as people constantly move across various areas. Human geography is also referred to as cultural geography.

98. Option (2) is correct.

Kalhana's Rajatarangini, a Sanskrit verse history of Kashmir, was written in the 12th century. Kalhana, a historian, wrote the historical book Rajatarangini in the Sanskrit language. The River of Kings is the meaning of the word Rajatarangini. The book is about the kings of Kashmir and their history in the northwestern Indian subcontinent. It contains 7826 verses divided into eight books known as Tarangas (waves).

99. Option (1) is correct.

Kishori Amonkar (April 10, 1932 – April 3, 2017) was a prominent Indian classical vocalist who belonged to the Jaipur gharana, or a community of musicians who shared a common musical style. She sang the classical genre khyal as well as the light classical genres thumri and bhajan.

100. Option (3) is correct.

According to the United Nations Conference on Trade and Development (UNCTAD), India received the ninth-largest amount of Foreign Direct Investment (FDI) in 2019. FDI flows to India were 26% lower in 2021. Global (FDI) flows increased by 77% to an estimated \$1.65 trillion in 2021, up from \$929 billion in 2020, surpassing their pre-COVID-19 level.

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360