**Time Allotted-** 100 Minutes                                             **Max marks-** 100

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**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.

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### General English

**1.** The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

To descend a cragged / mountain, however, was most/ difficult and dangerous / than to ascend it.
  **1.** To descend a cragged
  **2.** difficult and dangerous
  **3.** mountain however was most
  **4.** than to ascend it

**2.** Select the most appropriate ANTONYM of the given word.
Impartial
  **1.** intellectual    **2.** objective    **3.** biased    **4.** pious

**3.** Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.
Austin can be saw chasing cops with a sickle.
  **1.** be seen chasing           **3.** been saw chasing
  **2.** no improvement required   **4.** being seen chase

**4.** Select the most appropriate option to fill in the blank.
The defendant's lawyer argued that his past offenses were _____ to this case.
  **1.** contagious    **2.** spacious    **3.** arrogant    **4.** irrelevant

**5.** Select the most appropriate synonym of the given word.
Provoke
  **1.** Inhibit        **2.** Slack     **3.** Arouse     **4.** Constrain

**6.** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.
None only did the men aid in the work, but the women also did their part.
  **1.** Only                    **3.** No only
  **2.** No improvement required **4.** Not only

**7.** Select the most appropriate meaning of the given idiom.
Spill the beans
  **1.** To drop something       **3.** Give away a secret
  **2.** To find out something    **4.** To get a new idea

**8.** Select the correctly spelt word.
  **1.** Milennia      **3.** Hypothesis
  **2.** Monothistic   **4.** Prihistoric

**9.** Select the most appropriate synonym of the underlined word in the given sentence.
These figures have been greatly exaggerated.
  **1.** understated    **2.** magnified    **3.** belittled    **4.** ignore

**10.** The following sentence has been divided into parts. One of them may contain an error.
Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
Anosmia is the / completed loss or / absence of the sense of smell.
  **1.** no error              **3.** absence of the sense of smell
  **2.** completed loss or     **4.** Anosmia is the

**11.** Select the most appropriate ANTONYM of the underlined word in the given sentence.
These types of insects are usually very difficult to eradicate.
  **1.** emancipate    **2.** annihilate   **3.** conserve    **4.** devastate

**12.** Select the most appropriate option to fill in the blank.
Your explanation was simpler _____ Rekha's explanation.
  **1.** of          **2.** that        **3.** then        **4.** than

**13.** Select the most appropriate meaning of the underlined idiom in the given sentence.
If you keep dodging your manager's call, you will be on thin ice.
  **1.** In a risky situation
  **2.** Perform adequately
  **3.** Change plans in the middle of a process
  **4.** Go to jail

**14.** Select the option that can be used as a one-word substitute for the given group of words.
Climb or move with difficulty or a lot of effort, typically using one's hands and feet
  **1.** Pedagogy      **2.** Clamber    **3.** Quack      **4.** Retreat

**15.** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.
The probable side effects of this medication include burning and itching.
  **1.** including burning and itching
  **2.** can be including burning and itching
  **3.** includes burning and itching
  **4.** no improvement required

16. Select the INCORRECTLY spelt word.
    **1.** Appease   **2.** Aberrant   **3.** Arbitrary   **4.** Incipid

17. Select the most appropriate option to fill in the blank.
    Today, your presentation was _____ better than Saba's presentation.
    **1.** more   **2.** many   **3.** most   **4.** much

18. The following sentence has been divided into parts. One of them may contain an error.
    Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.
    My teacher said to me that / all that / glitters were not gold.
    **1.** glitters were not gold   **3.** no error
    **2.** my teacher said to me that   **4.** all that

19. Select the most appropriate option to fill in the blank.
    His autobiography will be one of the most _____ awaited books.
    **1.** eagerly   **2.** deftly   **3.** badly   **4.** slowly

20. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.
    Thank you all for coming so <u>earlier at the</u> morning.
    **1.** no improvement required   **3.** the early in a
    **2.** early in the   **4.** earliest on the

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

With up to 50,000 species of spiders, spider habitats vary (1) _____. Spiders are (2) _____ to live anywhere in the world except Antarctica. They (3) _____ not live in bodies of water or in the air, but can adapt (4) _____ almost any type of environment: hot or cool, wet or (5)_____, in the garden or in your house.

21. Select the most appropriate option to fill in blank number 1.
    **1.** widely   **2.** wide   **3.** widest   **4.** wider

22. Select the most appropriate option to fill in blank number 2.
    **1.** authorised   **2.** courageous **3.** able   **4.** harboured

23. Select the most appropriate option to fill in blank number 3.
    **1.** done   **2.** do   **3.** does   **4.** did

24. Select the most appropriate option to fill in blank number 4.
    **1.** of   **2.** at   **3.** on   **4.** to

25. Select the most appropriate option to fill in blank number 5.
    **1.** damp   **2.** muggy   **3.** dewy   **4.** dry

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### General Intelligence & Reasoning

26. Select the figure from the given options that can replace the question mark (?) in the following series.



    **1.**

    **3.**

    **2.**

    **4.**


27. Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.
    56 : 11 :: 34 : 7 :: ? : 13
    **1.** 76   **2.** 54   **3.** 84   **4.** 62

28. In a certain code language, 'GOP' is coded as '38', and 'HVN' is coded as '44'. How will 'PNG' be coded in that language?
    **1.** 42   **2.** 37   **3.** 29   **4.** 32

29. In a certain code language, 'COFFEE' is coded as '40', 'LEMON' is coded as '59', and 'GINGER' is coded as '60'. How will 'TEA' be coded in that language?
    **1.** 43   **2.** 26   **3.** 29   **4.** 32

30. 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.
    TV : MO :: GR : ?
    **1.** AK   **2.** ZL   **3.** ZK   **4.** AM

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



    **1.**          **3.**

    **2.**          **4.**

32. In a certain code language, 'hairs are golden black' is coded as '@ rm pr kt', 'golden bells are sound' is coded as 'ak @ kt #', and 'bells being loud' is coded as '# jm jk'.
    What can be the code for 'bell sound' in that language?
    **1.** ak @   **2.** ak #   **3.** ak jm   **4.** jm jk

33. After interchanging the given two numbers (not digits), what will be the value of the given equation?
    5 and 6
    $6 \times 12 - 4 + 5 - 1 = ?$
    **1.** 41   **2.** 61   **3.** 51   **4.** 71

34. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
    IDK, LFL, OHM, RJN, ?
    **1.** TLN   **2.** ULO   **3.** STO   **4.** SLP

35. In a certain code language, 'TAPE' is coded as '4825', 'SHART' is coded as '93814', and 'TUBE' is coded as '4675'. What is the code for the letter 'E' in that code language?
    **1.** 5   **2.** 4   **3.** 6   **4.** 8

36. Select the number from among the given options that can replace the question mark (?) in the following series.
    57, 59, 56, 60, ?, 61, 54
    **1.** 55   **2.** 53   **3.** 54   **4.** 63

37. Select the figure from the given options that can replace the question mark (?) in the following series.



    **1.**          **3.**

    **2.**          **4.**

**38.** 6 boys, J, K, L, M, N and P, are sitting around a rectangular table facing towards the centre (not necessarily in the same order). 4 boys are sitting in the corners, and 1 boy is sitting in the middle of each shorter side of the table. N is second to the right of K and second to the left of J. M is exactly opposite to N, and M is not sitting in the corner.

Which of the following statements is definitely correct?
**I.** L and P are both next to N.
**II.** K is diagonally opposite to L.
**1.** Only II is correct.
**2.** Neither I nor II is correct.
**3.** Both I and II are correct.
**4.** Only I is correct.

**39.** Select the number from among the given options that can replace the question mark (?) in the following series.
12, 37, 110, 331, 992, ?
**1.** 2947    **2.** 2867    **3.** 2977    **4.** 2877

**40.** Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.
USER : USRE :: TIRING : TRNIIG :: DEVOTED : ?
**1.** DOVTEED     **3.** DEDETOV
**2.** DDEEVTO     **4.** VTOEEDD

**41.** 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?
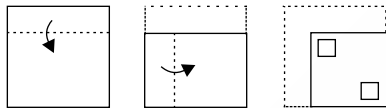


**42.** The weight of seven women W1, W2, W3, W4, W5, W6 and W7 are compared. The weight of W4 is more than W7. The weight of W5 is more than only three women and the weight of W2 is less than only W1 and W3. If the weight of W7 is the lowest, then the minimum number of women who have a weight more than W6 is?
**1.** 1     **2.** 4     **3.** 2     **4.** 3

**43.** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
**Statements:**
Akshay earns more than Rajnish who earns more than Sam.
Sam earns less than Dixit.
**Conclusions:**
**I.** Akshay earns more than Sam.
**II.** Dixit earns more than Akshay.
**1.** Both I and II follow    **3.** Neither I nor II follows
**2.** Only I follows      **4.** Only II follows

**44.** Select the set in which the numbers are related in the same way as are the numbers of the following sets.
(13, 12, 2)
(25, 22, 6)
**1.** (26, 22, 10)     **3.** (6, 3, 6)
**2.** (15, 5, 15)     **4.** (24, 12, 19)

**45.** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
**Statements:**
**I.** No yellow is green.
**II.** Some pink are yellow.
**Conclusions:**
**I.** No green is yellow.
**II.** Some yellow are pink.
**III.** All green are pink.
**1.** Only conclusions I and II follow.
**2.** Only conclusion III follows.
**3.** Conclusion I, II and III follows.
**4.** Only conclusions II and III follow.

**46.** Select the correct mirror image of the given figure when the mirror is placed at AB as show.



**47.** 8 boys G, H, I, J, K, L, M and N are sitting around a square table facing towards the centre (not necessarily in the same order). Four boys are sitting at the corners and four boys are sitting in the middle of the sides. J is the immediate neighbour of G and H and he is sitting at a corner. M is the immediate neighbour of N and K. L is sitting in the middle of the side. G is not sitting opposite to L. N is towards the immediate right of H.
Who is sitting diagonally opposite to I?
**1.** L     **2.** K     **3.** N     **4.** J

**48.** Which two numbers should be interchanged to make the given equation correct?
$20 \div 6 + 10 - 5 \times 2 = 2$
**1.** 5 and 10    **2.** 6 and 10    **3.** 10 and 20    **4.** 5 and 6

**49.** Select the option that is related to the third term in the same way as the second term is related to the first term.
CRAW : DZIX :: MOCK : ?
**1.** PYLN    **2.** PLXN    **3.** PXMN    **4.** PXLN

**50.** Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation not allowed).

### Numerical Aptitude

**51.** In a family of six males and a few females, the average monthly consumption of grain per head is 14.4 kg. If the average monthly consumption per head is 20 kg in the case of males and 6 kg in case of females, find the number of females in the family?
**1.** 8      **2.** 4      **3.** 6      **4.** 7

**52.** Read the given pie chart and answer the given question.

**Percentage of Scale I officers in different Banks in January 2020.**



**Total number of Scale I officers in all the six banks, put together = 500**

What is the average number of Scale I officers in banks D, E and F?
**1.** 90      **2.** 85      **3.** 80      **4.** 75

**53.** At what rate of simple interest per annum will a sum triple itself in 30 years? [Give your answer correct to 2 decimal places.]
**1.** 6.67%      **2.** 4.75%      **3.** 8.33%      **4.** 3.33%

**54.** 24 women and 9 men can complete a certain piece of work in 18 days. Each women takes twice the amount of time taken by a man to finish the work. In how many days can only 9 men finish the same work?
**1.** 42      **2.** 35      **3.** 369      **4.** 48

**55.** The average age of eight girls is y years. 5 new girls having ages (in years) given by $y + 3$, $y - 6$, $y + 15$, $y + 8$, and $y + 6$, join the class. What is the new average age of the class?
**1.** $(y + 2)$ years      **3.** $(y + 3)$ years
**2.** $(y + 6)$ years      **4.** $(y + 1)$ years

**56.** The total surface area of a closed cube is 128 cm² more than the area of a square. If the length of each side of the cube is 8 cm, then what is the length of each side of the square?
**1.** 16 cm      **2.** 12 cm      **3.** 18 cm      **4.** 9 cm

**57.** The bar graph given below provides information about the lifetime (in hours) of neon lamps. Study the given bar graph and answer the question that follows.



The number of neon lamps that have a life of 600 hours or more but less than 900 hours is:
**1.** 180      **2.** 245      **3.** 270      **4.** 305

**58.** The average of ten numbers is 24. If each number is divided by 2, then what will be new average?
**1.** 12      **2.** 6      **3.** 20      **4.** 5

**59.** The difference between the simple interest and the compound interest at the same rate for ₹32,000 for 2 years is ₹ 80. What is the rate of interest, if, in the case of compound interest, is compounded annually?
**1.** 8% per annum      **3.** 5% per annum
**2.** 2% per annum      **4.** 12% per annum

**60.** $600 - A = 65\%$ of 200. What is the value of A?
**1.** 450      **2.** 470      **3.** 490      **4.** 460

**61.** What is the greatest number which, on dividing 342 and 480, leaves remainders of 6 and 4, respectively?
**1.** 14      **2.** 4      **3.** 7      **4.** 28

**62.** What should come in place of the question mark (?) for the following mathematical statement to be true?
$(9576 \div 21) \times (462 \div 42) - 563 \times 8 = (?)^3$
**1.** 5      **2.** 7      **3.** 8      **4.** 3

**63.** The side of a square is equal to 40% of the radius of a sphere. If the volume of the sphere is $\dfrac{500p}{3}$ m³ , then what is the area of the square?
**1.** 2 m²      **2.** 1 m²      **3.** 9 m²      **4.** 4 m²

**64.** A fabric seller sells 65 m of cloth for ₹5,850 at a profit of ₹11 per metre of cloth. What is the cost price of 1m of cloth?
**1.** ₹ 70      **2.** ₹ 89      **3.** ₹ 80      **4.** ₹ 79

**65.** As per the data shown in the table given, what is the ratio of the students aged below 18 years to the students aged 18 years or above?

| Age group | Number of students |
|---|---|
| 6 – 9 | 14 |
| 9 – 12 | 26 |
| 12 – 15 | 18 |
| 15 – 18 | 12 |
| 18 – 21 | 17 |
| 21 – 24 | 7 |

**1.** 4 : 3      **2.** 35 : 27      **3.** 35 : 12      **4.** 5 : 9

**66.** A teacher distributes some sweets among his four students in the ratio of $\dfrac{1}{3} : \dfrac{1}{5} : \dfrac{1}{6} : \dfrac{1}{4}$ . What is the minimum number of sweets that the teacher should have, so that no sweet needs to be broken into parts to be shared?
**1.** 57      **2.** 77      **3.** 76      **4.** 71

**67.** 2 candidates contested an election. The winning candidate got 52% of the valid votes and won by a margin of 360 votes. If 10% of votes were declared invalid, then what was the total number of votes polled?
**1.** 11,000      **2.** 10,000      **3.** 8,000      **4.** 12,000

**68.** Prakash bought 2 items, paying the same for each of them. He sold one item at a profit of 20% and the other item at a profit of 25%. What is the overall percentage profit he made?
**1.** 37.5%      **2.** 24.5%      **3.** 16.5%      **4.** 22.5%

**69.** The speed of Ashu is 15 km/h more than the speed of Vishu. They start moving in the same direction at the same time, but initially Vishu is ahead of Ashu by a certain distance. If Ashu crosses Vishu 6 hours after they start moving, what is the initial distance between them?
**1.** 45 km      **2.** 60 km      **3.** 90 km      **4.** 80 km

70. If 25% discount is given on an article, then there will be a loss of 15%. If the article is sold at its marked price, then what will the profit percentage be? [Give your answer correct to 2 decimal places.]
   1. 15.66%    2. 12.66%    3. 13.33%    4. 10.22%

71. What should come in place of the question mark (?) in the following mathematical statement?
   $8^2 + 16^2 - 19^2 = ?^3 - 257$
   1. 9    2. 2    3. 6    4. 8

72. The radius of a sphere and that of the base of a cylinder are equal. The ratio of the radius of the base of the cylinder and the height of the cylinder is 3 : 4. What is the ratio of the volume of the sphere to that of the cylinder?
   1. 27 : 64    2. 1 : 2    3. 1 : 1    4. 9 : 16

73. Sonu can do a work in 15 days, Monu can do it in 10 days, and Tipu can do it in 12 days. In how many days can Sonu, Monu and Tipu together complete the work?
   1. 8 days    2. 10 days    3. 4 days    4. 5 days

74. A number, when subtracted from 3 times the second number, gives a result equal to $\frac{3}{4}$ of the first number. What is the ratio of the first number to the second number?
   1. 11 : 6    2. 12 : 7    3. 9 : 5    4. 10 : 7

75. In a 100-m race, A beats B by 20 m and B beats C by 5 m. In the same race, A beats C by:
   1. 26 m    2. 22 m    3. 25 m    4. 24 m

## General Awareness

76. Temperate grasslands are ideal for _____ cultivation.
   1. grape    2. apple    3. cotton    4. wheat

77. Which of the following statements is INCORRECT?
   1. Metals are used in making cookware.
   2. Metals are used in the manufacture of automobiles.
   3. Living beings inhale metals during respiration.
   4. Metals are used in manufacturing jewellery.

78. Bangladesh shares its borders with which of the following states of India?
   1. Nagaland    3. Bihar
   2. Meghalaya    4. Manipur

79. Which of the following is a work by famous Indian author Khushwant Singh?
   1. A Suitable Boy    3. The Guide
   2. Train to Pakistan    4. Sacred Games

80. Who was the first ruler of the Ilbari dynasty (Delhi Sultanate)?
   1. Qutubuddin Aibak    3. Iltutmish
   2. Ghiyasuddin Tughlaq    4. Raziya Sultan

81. The Indian constitution borrowed 'procedure of amending the constitution' from the constitution of _____.
   1. France    3. United Kingdom
   2. South Africa    4. Australia

82. As per the 2011 census, what was the percentage of the urban population in India? (Provide an approximate range.)
   1. Between 30% and 35%    3. Between 10% and 15%
   2. Between 40% and 45%    4. Between 20% and 25%

83. Which of the following was the capital of Mahajanapada Gandhara in the 6th century BC?
   1. Hastinapur    2. Mathura    3. Taxila    4. Varanasi

84. What does 'L' stand for in the LPG Strategy of 1991?
   1. Legislative    3. Liquid
   2. Landmark    4. Liberalisation

85. Which of the following peaks is at the highest altitude in India?
   1. Namcha Barwa    3. Nanda Devi
   2. Kamet    4. Makalu

86. What was the main reason for the defeat of Sirajuddaulah at the Battle of Plassey?
   1. Britishers cut the food supplies of Sirajuddaulah forces compelling them to surrender.
   2. Forces led by commander Mir Jafar never fought the battle.
   3. Sirajuddaulah's prime minister misinformed the location of Britishers.
   4. Britishers knew the secret way to enter Sirajuddaulah's palace.

87. Who was the Viceroy of India when Morley-Minto Reforms were introduced?
   1. Lord Linlithgow    3. Lord Minto
   2. Lord Attlee    4. Lord Wavell

88. The Chera Panhara ritual is associated with:
   1. Baisakhi in Punjab    3. Navratri in Gujarat
   2. Durga Puja in West Bengal    4. Rath Yatra in Odisha

89. The percentage of nitrogen in the air is about _____ by volume.
   1. 76%    2. 78%    3. 82%    4. 74%

90. Which of the following is a tough, porous and black substance, and almost a pure form of carbon?
   1. Coke    2. Bitumen    3. Coal tar    4. Coal gas

91. 'Elelakkaradi' is a tribal dance form of which Indian state?
   1. Goa    3. Rajasthan
   2. Kerala    4. Jharkhand

92. What is the total duration of a hockey match as of April 2022?
   1. 60 minutes    3. 80 minutes
   2. 70 minutes    4. 50 minutes

93. 'SVANidhi se Samriddhi' programme launched in 2022 is associated with the Ministry of _____.
   1. Finance    2. Education
   3. Defence    4. Housing and Urban Affairs

94. In which of the following events did India win a gold medal in the Summer Olympics 2020 (played in 2021)?
   1. Javelin Throw    3. Weightlifting
   2. Wrestling    4. Badminton

95. Gorakhpur is the headquarter of _____ Railway of India.
   1. North-Eastern    3. Eastern
   2. Northern    4. Western

96. What is the stone-like disc seen at the top of the temple in Odisha and the nearby district's Temple architecture called?
   1. Kalasha    2. Antarala    3. Amalaka    4. Jagati

97. _____ was appointed the new Foreign Secretary of India in April 2022.
   1. Harsh Vardhan Shringla    3. Subrahmanyam Jaishankar
   2. Meenakshi Lekhi    4. Vinay Mohan Kwatra

98. Who among the following has sung the famous Bollywood song 'Channa Mereya'?
   1. Neeti Mohan    3. Shreya Ghoshal
   2. Arijit Singh    4. Sukhbir

99. Who among the following is the co-founder of Darpana Academy of Performing Arts?
   1. Pt. Birju Maharaj    3. Mallika Sarabhai
   2. Uday Shankar    4. Mrinalini Sarabhai

100. Abolition of Titles comes under:
   1. Cultural and Educational rights
   2. Right against Exploitation
   3. Right to Freedom
   4. Right to Equality

## Answer Key

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

## Answers with Explanations

1. **Option (3) is correct.**
   The correct sentence is : To descend a cragged mountain, however, was more difficult and dangerous than to ascend it. The sentence has a comparison between the descent and the ascent of a cragged mountain. Therefore, the comparative degree of adjective is suitable , not the superlative. Therefore, 'more' will replace 'most'.

2. **Option (3) is correct.**
   The word 'impartial' means 'unbiased'. So, the antonym is 'biased'.

3. **Option (1) is correct.**
   The correct sentence is : Austin can be seen chasing cops with a sickle. When an auxiliary verb like 'can/could' is followed by 'be', it always agrees with the past participle form of verb 'seen'.

4. **Option (4) is correct.**
   The correct sentence is : The defendant's lawyer argued that his past offenses were irrelevant to this case. The sentence mentions the role of a lawyer- to defend his client, and he points out that his past offences were immaterial for the present case.

5. **Option (3) is correct.**
   Provoke means to stimulate or incite . All options, except (3) are antonyms of the given word. The synonym is 'arouse'.

6. **Option (4) is correct.**
   The correct sentence is : Not only did the men aid in the work, but the women also did their part. The co-relative conjunctions always come in pair. Therefore, 'not only' is followed by 'but also'.

7. **Option (3) is correct.**
   'Spill the beans' implies 'reveal secret information unintentionally'. Therefore, the correct answer is : give away a secret.

8. **Option (3) is correct.**
   The correctly spelt word 'hypothesis'. 'Milennia' is spelt as 'Millennia'; 'Monothistic' is spelt as 'Monotheistic'; 'Prihistoric' is spelt as 'Prehistoric'.

9. **Option (2) is correct.**
   'Exaggerated' means 'regarded or represented as larger, better, or worse than in reality.' This means 'overstated'/'magnified'.

10. **Option (2) is correct.**
    The correct sentence is : Anosmia is the complete loss or absence of the sense of smell. Complete is a state of being; there is nothing that can be added or changed. Whereas completed is an act of completion - the task that was set has now been fulfilled. Therefore, 'complete' will replace 'completed'.

11. **Option (3) is correct.**
    'Eradicate' implies 'destroy completely'. Thus, the antonym is 'conserve'.

12. **Option (4) is correct.**
    The correct sentence is : Your explanation was simpler than Rekha's explanation. There is a comparison between two explanations. So, the adverb 'than', which is suitable for comparative degree will be used.

13. **Option (1) is correct.**
    The idiom 'on thin ice' means 'risky situation.'

14. **Option (2) is correct.**
    Pedagogy means 'the art, science, or profession of teaching'. 'Clamber' is to climb or move in an awkward and laborious way. 'Quack' is a person who dishonestly pretends to have medical skills. 'Retreat' is an act of moving back or withdrawing. Therefore, to climb or move with difficulty or a lot of effort, typically using one's hands and feet is clamber.

15. **Option (4) is correct.**
    The probable side effects of this medication include burning and itching. The subject of the sentence is 'side effects', so the plural verb 'include' will agree with it.

16. **Option (4) is correct.**
    The incorrectly spelt word is 'incipid'. It should be 'insipid', meaning bland/tasteless.

17. **Option (4) is correct.**
    The correct sentence is : Today, your presentation was much better than Saba's presentation. The phrase 'much better' is used to say that a particular action or situation would be even more successful. 'More better' is incorrect because we cannot use double comparatives in a sentence. 'Most better' and 'many better' are incorrect grammatical usages.

18. **Option (1) is correct.**
    The correct sentence is : My teacher said to me that all that glitters is not gold. The correct part is 'all that glitters is not gold' instead of 'all that glitters were not gold'. This is so because this is a saying and hence a universal truth, therefore, it will be in present tense.

19. **Option (1) is correct.**
    The correct sentence is : His autobiography will be one of the most eagerly awaited books. The use of the word 'awaited' indicates that the autobiography must be one that everyone is looking forward to.

20. **Option (2) is correct.**
    The correct sentence is : Thank you all for coming so early in the morning. We can use 'so' with an adjective or adverb to make it stronger. Here, the adverb 'early' is modified by the adverb 'so'. 'So' already expresses a quantity, thus, it will not take a comparative degree 'earlier'.

**21.** **Option (1) is correct.**
The correct sentence is : With up to 50,000 species of spiders, spider habitats vary widely. The blank requires an adverb to qualify the verb 'vary'. Therefore, 'widely' is the perfect choice.

**22.** **Option (3) is correct.**
The correct sentence is : Spiders are able to live anywhere in the world except Antarctica. Even by the process of elimination, 'able' makes sense. 'Courageous' is absurd because the context does not justify the appropriateness of spiders being courageous.

**23.** **Option (2) is correct.**
The correct sentence is : They do not live in bodies of water or in the air. The subject is 'they' so it will agree with a plural verb 'do'. The passage is in present tense, hence 'do' instead of 'did'.

**24.** **Option (4) is correct.**
The correct sentence is : but can adapt to almost any type of environment: hot or cool, wet. 'Adapt' is a verb that always takes the preposition 'to' after it.

**25.** **Option (4) is correct.**
The correct sentence is : Spiders can adapt to almost any type of environment: hot or cool, wet or dry in the garden or in your house. It is to be noted that the list contains opposites - hot or cool, so wet 'dry' is the correct choice as it is the opposite of 'wet'.

**26.** **Option (2) is correct.**
The pattern of the figure series is as follows:

| A R | R | | L | L K | L K |
|-----|---|---|---|-----|-----|
| | A | L | K | | |
| K L | | K | A | R A | R A |

Here, all the elements are moving in an anticlockwise direction.

**27.** **Option (1) is correct.**
Given that: 56 : 11
5 + 6 = 11
Here, the addition of two digits from the left side gives the right side number.
And, 34 : 7
3 + 4 = 7
Similarly, ? : 13
7 + 6 = 13
Hence, 76 is related to the sixth number.

**28.** **Option (2) is correct.**
Given that: GOP is coded as 38
G + O + P = 7 + 15 + 16 = 38
(Alphabetic number)
And, HVN is coded as 44
H + V + N = 8 + 22 + 14 = 44
(Alphabetic number)
Similarly, PNG is coded in the same way
P + N + G = 16 + 14 + 7 = 37
Hence, PNG will be coded as 37.

**29.** **Option (2) is correct.**
Given that: COFFEE is coded as 40
C + O + F + F + E + E = 3 + 15 + 6 + 6 + 5 + 5 = 40
(Alphabetic number)
LEMON is coded as 59
L + E + M + O + N = 12 + 5 + 13 + 15 + 14 = 59
(Alphabetic number)
And, GINGER is coded 60
G + I + N + G + E + R = 7 + 9 + 14 + 7 + 5 + 18 = 60
(Alphabetic number)
Similarly, TEA is coded in the same way
T + E + A = 20 + 5 + 1 = 26
Hence, TEA will be coded as 26.

**30.** **Option (3) is correct.**
Given that: TV : MO

```
      T        V
      |        |
   -7 |     -7 |
      ↓        ↓
      M        O
```
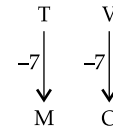
Here, each letter is decreased by 7.
Similarly, GR : ?

```
      G        R
      |        |
   -7 |     -7 |
      ↓        ↓
      Z        K
```
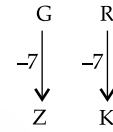
Hence, GR is related to ZK.

**31.** **Option (3) is correct.**
The option 3 figure is embedded in the given image as follows:
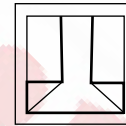


**32.** **Option (2) is correct.**
Given that:
hairs are golden black is coded as @ rm pr kt
golden bells are sound is coded as ak @ kt #
bells being loud is coded as # jm jk
Here, are - @
golden – kt
bells - #
sound – ak
hairs – rm/pr
black – rm/pr
being – jm/jk
loud – jm/jk
Hence, the code for 'bell sound' would be 'ak #'.

**33.** **Option (2) is correct.**
Given equation: 6 × 12 − 4 + 5 − 1 = ?
After interchanging numbers, we get
5 × 12 − 4 + 6 − 1 = ?
60 − 4 + 5 = ?
61
Hence, 61 would be the value of the given equation.

**34.** **Option (2) is correct.**
The pattern of the series is as follows:

```
      +2       +2       +2       +2
   ┌──→┐    ┌──→┐    ┌──→┐    ┌──→┐
  I D K,  L F L,  O H M,  R J N,  U L O
   └──┐↑↑   └─┐↑↑   └─┐↑↑   └─┐↑↑
    +3  +3    +3       +3       +3
    +1       +1       +1       +1
```
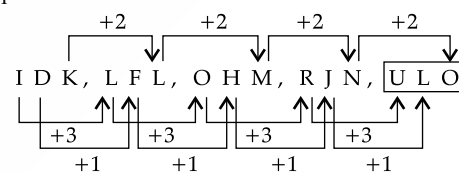
Hence, ULO will complete the series.

**35.** **Option (1) is correct.**
Given that: TAPE is coded as 4825
SHART is coded as 93814
TUBE is coded as 4676
Here, E − 5, A − 8, T − 8, and so on.
Hence, the code for E would be 5.

**36.** **Option (1) is correct.**
The pattern of the series is as follows:

```
 57    59    56    60    [55]   61    54
   └─┐   └─┐   └─┐   └─┐    └─┐   └─┐
    +2  −3    +4    −5     +6   −7
```
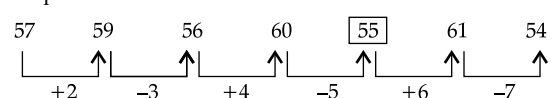
Hence, 55 will complete the series.

**37. Option (1) is correct.**
The pattern of the series is as follows:
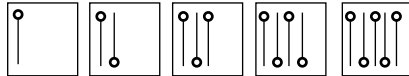


Here, in every step, one element is increased by 1.
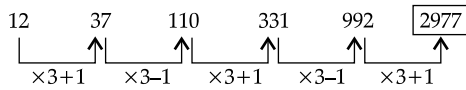
**38. Option (4) is correct.**
The sitting arrangement of six boys around a rectangular table facing towards the centre is as following:
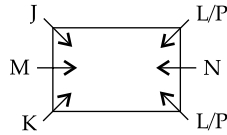


From the above arrangements, L and P are both next to N is correct. Hence, only conclusion I is correct.

**39. Option (3) is correct.**
The pattern of the series is as follows:



Hence, 2977 will complete the series.

**40. Option (4) is correct.**
Given that: USER : USRE
And, TIRING : TRNIIG
Similarly, DEVOTED : VTOEEDD

**41. Option (4) is correct.**
After unfolding, it would appear as follows:



**42. Option (2) is correct.**
The weight of seven women is as follows:
W1 > W3 > W2 > W5 > W6 > W4 > W7
Or
W3 > W1 > W2 > W5 > W6 > W4 > W7
Hence, the minimum number of women who have weight more than W6 is 4.

**43. Option (2) is correct.**
According to the given statements, we have
Akshay > Rajnish > Sam
And, Dixit > Sam
Hence, Akshay > Rajnish > Dixit > Sam
From conclusion I: Akshay earns more than Sam is ture.
From conclusion II: Dixit earns more than Akshay is false.
Hence, only conclusion I follow.

**44. Option (3) is correct.**
Given that: (13, 12 , 2)
13 – 12 = 1 (1$^{st}$ number – 2$^{nd}$ number)
1 × 2 = 2 (result of 1$^{st}$ number × 2) = 3$^{rd}$ number
And, (25, 22, 6)
25 – 22 = 3 (1$^{st}$ number – 2$^{nd}$ number)
3 × 2 = 6 (result of 1$^{st}$ number × 2) = 3$^{rd}$ number
Similarly, (6, 3, 6)
6 – 3 = 3 (1$^{st}$ number – 2$^{nd}$ number)
3 × 2 = 6 (result of 1$^{st}$ number × 2) = 3$^{rd}$ number

**45. Option (1) is correct.**
The venn diagram of the given statements is as follows:
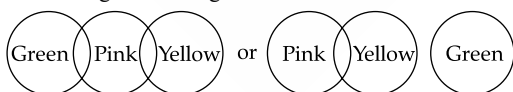


From conclusion I: No green is yellow is true.
From conclusion II: Some yellow are pink is also true.
From conclusion III: All green are pink is false.
Hence, conclusions I and II follow. Hence, option (1) is the correct answer.

**46. Option (3) is correct.**
The mirror image of the given figure is as follows:
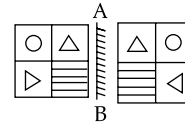


Hence, option (3) is the correct answer.

**47. Option (3) is correct.**
The sitting arrangement of eight boys around a square table facing towards the centre is as following:
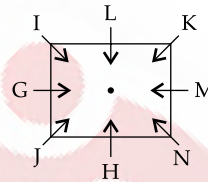


Hence, N is sitting diagonally opposite to I. Hence, option (3) is the correct answer.

**48. Option (4) is correct.**
Given expression: 20 ÷ 6 + 10 – 5 × 2 = 2
From option (4), 20 ÷ 5 + 10 – 6 × 2 = 2
⇒ 4 + 10 – 12 = 2
⇒ 14 – 12 = 2
⇒ 2 = 2
LHS = RHS
Hence, 5 and 6 is the correct answer.

**49. Option (4) is correct.**
Given that: CRAW : DZIX
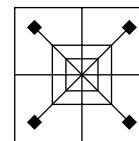The pattern followed here is:
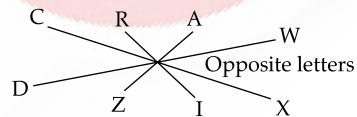


Similarly, for MOCK
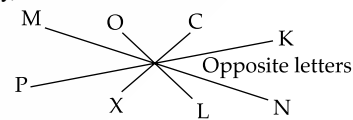


Hence, MOCK is related to PXLN.

**50. Option (1) is correct.**
Option figure (1) will complete the given figure.



Hence, option (1) is the correct answer.

**51. Option (2) is correct.**
Let the number of females be $x$
Total consumption of grain = 14.4 × (6 + $x$)          …(1)
Total grains consumed by male = 20 × 6 = 120 kg          …(2)
Total grains consumed by females = 6 × $x$ = 6$x$          …(3)
From (1), (2) and (3), we get
$\qquad$ 14.4(6 + $x$) = 120 + 6$x$
⇒ $\qquad$ 86.4 + 14.4$x$ = 120 + 6$x$

$$\Rightarrow \qquad 14.4x - 6x = 120 - 86.4$$
$$\Rightarrow \qquad 8.4x = 33.6$$
$$\Rightarrow \qquad x = \frac{33.6}{8.4} \quad \Rightarrow x = 4$$

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

**Percentage of Scale I officers in different Banks in January 2020.**
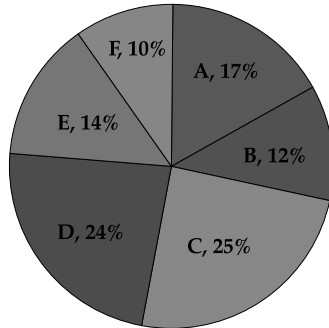


**Total number of Scale I officers in all the six banks, put together = 500**

Total officers = 500
Scale 1 officers in banks D, E and F
$$= 24 + 14 + 10 = 48\%$$
Number of scale 1 officers
$$= \left(\frac{48}{100}\right) \times 500 = 240$$
Hence, the average number of scale 1 officers
$$= \frac{240}{3} = 80$$

**53. Option (1) is correct.**
According to question
$$A = 3P$$
Let the rate of interest be R%
$$\text{S.I} = \frac{P \times R \times T}{100}$$
$$\Rightarrow \text{S.I} = A - P = 3P - P = 2P$$
$$\Rightarrow 2P = \frac{P \times R \times 30}{100}$$
$$\Rightarrow R = \frac{200}{30} \quad \Rightarrow R = 6.67\%$$

**54. Option (1) is correct.**
Effficiency of man = 2 × efficiency of woman
⇒ Hence, the time taken by 1 woman = Twice the time taken by man
⇒ Therefore, 24 women = 12 man
24 women + 9 men takes = 18 days
12 men + 9 men takes = 18 days
21 men takes time = 18 days
1 man takes time = 18 × 21 days
9 men takes time = $\dfrac{18 \times 21}{9}$ days = 42 days

**55. Option (1) is correct.**
Total age of 8 girls = 8 y
$$\text{New average} = \frac{\text{Total age of 13 girls}}{\text{Number of girls}}$$

$$= \frac{8y + y + 3 + y - 6 + y + 15 + y + 8 + y + 6}{13}$$
$$= \frac{13y + 26}{13} = (y + 2) \text{ years}$$

**56. Option (1) is correct.**
Total surafce area (TSA) of cube
$$= 6 \times \text{side} \times \text{side}$$
Area of square = side × side
Side of cube = 8 cm
According to question:
$$\text{TSA of cube} = 128 + \text{side} \times \text{side}$$
$$\Rightarrow 6 \times 8 \times 8 - 128 = \text{side} \times \text{side}$$
$$\Rightarrow 384 - 128 = \text{side} \times \text{side}$$
$$\Rightarrow 256 = (\text{side})^2 \quad \text{or, side} = 16 \text{ cm}$$

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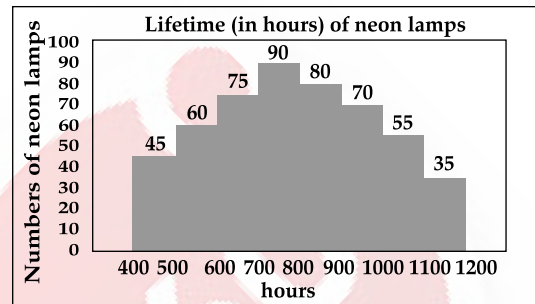


The number of neon lamps that have a life of 600 hours or more but less than 900 hours is:
Number of neon lamps that have a life of 600 hours or more but less than 900 hours is = 75 + 90 + 80 = 245

**58. Option (1) is correct.**
If we divide each number by 2
$$\text{New average} = \frac{\text{Old average}}{2} = \frac{24}{2} = 12$$

**59. Option (3) is correct.**
Compound interest (CI) – Simple interest (SI) for 2 years
$$\text{CI} - \text{SI} = P\left(\frac{R}{100}\right)^2$$
$$80 = 3200\left(\frac{R}{100}\right)^2$$
$$R^2 = \frac{80 \times 100 \times 100}{32000}$$
$$R = \sqrt{\frac{80 \times 100 \times 100}{32000}} \quad \Rightarrow R = \sqrt{25} \quad \Rightarrow R = 5\%$$

**60. Option (2) is correct.**
$$600 - A = 65\% \text{ of } 200$$
$$\Rightarrow \qquad 600 - A = \frac{65}{100} \times 200$$
$$\Rightarrow \qquad 600 - A = 130$$
$$\Rightarrow \qquad A = 600 - 130 \quad \Rightarrow A = 470$$

**61. Option (4) is correct.**
342, 480
Deducting the remainders from numbers we get
$$342 - 6 = 336$$
$$\Rightarrow \qquad 480 - 4 = 476$$
$$\Rightarrow \qquad 336 = 2^4 \times 3 \times 7$$
$$\Rightarrow \qquad 476 = 2^2 \times 7 \times 17$$
Hence, HCF of 336, 476 = $2^2 \times 7 = 28$
The greatest number will be 28.

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

$(9576 \div 21) \times (462 \div 42) - 563 \times 8 = (?)^3$

$\Rightarrow \quad (456) \times (11) - 4504 = (?)^3$

$\Rightarrow \quad 5016 - 4504 = (?)^3$

$\Rightarrow \quad 512 = (?)^3 \quad \Rightarrow 8^3 = (?)^3$

Hence, 8 will replace the question mark

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

Let the radius of sphere be $r$

$$\text{Side of square} = \left(\frac{40}{100}\right)r = \left(\frac{2}{5}\right)r$$

$$\text{Volume of sphere} = \left(\frac{4}{3}\right)\pi r^3$$

$$\Rightarrow \qquad\qquad r^3 = \frac{500}{4}$$

$$\Rightarrow \qquad\qquad r^3 = 125 \quad \Rightarrow r = 5\ m$$

area of square = side × side

$$= \left(\frac{2}{5}\right)r \times \left(\frac{2}{5}\right)r$$

$$= \left(\frac{4r^2}{25}\right) = \frac{4 \times 5 \times 5}{25} = 4\ m^2$$

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

Total profit on 65 m cloth = 65 × 11 = ₹ 715

CP of 65 m cloth = 5850 – 715 = ₹ 5135

Hence, CP of 1 m cloth = $\dfrac{₹\,5135}{65} = ₹79$

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

| Age group | Number of Students |
|-----------|--------------------|
| 6 – 9 | 14 |
| 9 – 12 | 26 |
| 12 – 15 | 18 |
| 15 – 18 | 12 |
| 18 – 21 | 17 |
| 21 – 24 | 7 |

Ratio is:

= (14 + 26 + 18 + 12):(17 + 7)

= (70):(24) = 35:12

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

The ratio of distributing is = $\left(\dfrac{1}{3}\right):\left(\dfrac{1}{5}\right):\left(\dfrac{1}{6}\right):\left(\dfrac{1}{4}\right)$

Taking LCM of 3, 5, 6, 4 is 60

Multiplying 60 in numerator, we get

$= \left(\dfrac{60}{3}\right):\left(\dfrac{60}{5}\right):\left(\dfrac{60}{6}\right):\left(\dfrac{60}{4}\right)$

= 20 : 12 : 10 : 15

Considering the sweets are distributed among whole numbers

= 20 + 12 + 10 + 15 = 57

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

Total valid votes = $\left(\dfrac{90}{100}\right)x$

Winning candidate gets 52% of valid votes

Losing candidate gets 48% of valid votes

Hence,

$\left[\left(\dfrac{52}{100}\right) \times \left(\dfrac{90}{100}\right)x - \left(\dfrac{48}{100}\right) \times \left(\dfrac{90}{100}\right)x\right] = 360$

$\Rightarrow \quad \left[\left(\dfrac{4}{100}\right)\left(\dfrac{90}{100}\right)x\right] = 360$

$\Rightarrow \qquad x = \dfrac{360 \times 100 \times 100}{360} \quad \Rightarrow x = 10{,}000$

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

Let CP of each item be ₹ $x$

$SP_1 = \left(\dfrac{120}{100}\right)x$

$SP_2 = \left(\dfrac{125}{100}\right)x$

Total SP = $\left(\dfrac{120}{100}\right)x + \left(\dfrac{125}{100}\right)x = \left(\dfrac{245}{100}\right)x = 2.45x$

Total CP = ₹ $2x$

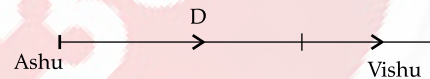Profit % $= \dfrac{S.P - C.P}{CP} \times 100$

$= \dfrac{2.45x - 2x}{2x} \times 100$

$= \dfrac{0.45x}{2x} \times 100 = 22.5\%$

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

Let the speed of the Vishu = $\dfrac{x\ km}{hour}$

Hence, the speed of Ashu = $\dfrac{(x+15)\,km}{hour}$



Relative speed = $x + 15 - x = \dfrac{15\ km}{hour}$

Speed = $\dfrac{Distance}{Time} \quad \Rightarrow 15 = \left(\dfrac{D}{6}\right)$

Hence, the initial distance between them = 15 × 6 = 90 km

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

Cost price (C.P.), Selling Price (S.P.), Marked Price (M.P.)

Let the MP = ₹ 100

SP = MP – Discount % × MP

Loss % = $\dfrac{CP - SP}{CP} \times 100$

$\Rightarrow \qquad 15 = \dfrac{CP - 75}{CP} \times 100$

$\Rightarrow \qquad 3CP = 20CP - 1500$

$\Rightarrow \qquad CP = \dfrac{1500}{17} = 88.23$

Now,     New SP = 100

          CP = 88.24

Profit %= $\dfrac{100 - 88.24}{88.24} \times 100 = 13.33\%$

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

$8^2 + 16^2 - 19^2 = ?^3 - 257$

$\Rightarrow \quad 64 + 256 - 361 + 257 = ?^3$

$\Rightarrow \qquad\qquad 216 = ?^3$

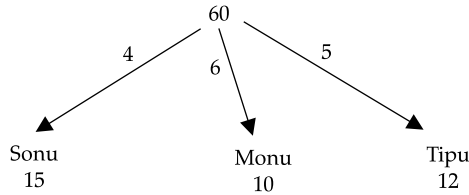$\Rightarrow \qquad\qquad ? = 6$

Hence, 6 will replace the question mark.

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

$$\frac{\text{Volume of sphere}}{\text{Volume of cylinder}} = \frac{\frac{4}{3}\pi r^3}{\pi r^2 h}$$

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

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



Together they will complete work in $= \left(\dfrac{60}{15}\right)$

$= 4$ days

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

Let the 1st number be $x$

Let the 2nd number be $y$

$$3y - x = \left(\frac{3}{4}\right)x$$

$$\Rightarrow 12y - 4x = 3x$$
$$\Rightarrow \qquad 12y = 7x$$
$$\Rightarrow \qquad \left(\frac{x}{y}\right) = \left(\frac{12}{7}\right)$$

The ratio of first number to second number = 12 : 7.

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

Let A complete the race in $t$ seconds

A's running speed $= \left(\dfrac{100}{t}\right)$ m/s

B's running speed $= \left(\dfrac{100-200}{t}\right) = \left(\dfrac{80}{t}\right)$ m/s

Time taken by B to complete 100 m race

$$= \left(\frac{100}{\frac{80}{t}}\right) = \left(\frac{5}{4}\right)t$$

C's running speed $= \left(\dfrac{100-200}{\frac{5}{4t}}\right) = \left(\dfrac{76}{t}\right)$ m/s

Now A beat C by distance

$$= \left(\left(\frac{100}{t}\right) - \left(\frac{76}{t}\right)\right) \times t = 24 \text{ m}$$

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

Temperate grasslands are ideal for extensive wheat farming. The cool, moist spring promotes early growth, and light showers during the ripening period help to swell the grains, resulting in a high yield.

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

Metals are not inhaled by living creatures during respiration. 'Oxygen' is a nonmetal that is required for all living things to breathe. Metals can be formed into thin sheets by hammering. That signifies they have the ability to be moulded. Metals are malleable. Metals are excellent conductors of both heat and electricity. Metals have a glossy aspect, which implies they shine. Tensile strength is a property of metals. Metals produce sound. Metals are tough.

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

Meghalaya shares a 445-kilometre border with Bangladesh and an 885-kilometre border with Assam. It is bounded to the north and northeast by the Indian state of Assam, and to the south and southwest by Bangladesh. Shillong, a hill town in east-central Meghalaya, serves as the state capital.

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

Khushwant Singh was an Indian author, lawyer, diplomat, journalist, and politician. His experiences during India's 1947 partition inspired him to write Train to Pakistan in 1956 (which was adapted into a film in 1998), which became his most well-known novel.

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

The Ilbary Dynasty was founded by Qutub-ud-Din Aibek, a slave of Muhammad Gori and commander of his army. The acceptance of sovereign powers by Qutub-ud-Din Aibek in 1206 marks the beginning of the Sultanate of Delhi and the first dynasty of the Sultanate.

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

The procedure for amending the constitution has been adopted from the South African constitution. In the Preamble, we have adopted the Republic and Ideals of Liberty, Equality, and Fraternity from the French Constitution. Suspension of fundamental rights during an emergency is something we adopted from the German constitution. The procedure established by law is something we adopted from the Japanese constitution.

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

According to Census 2011, the total urban population in the country is more than 377 million, accounting for 31.16% of the total population. According to the data, Goa is the most urbanized state, with 62.17% of the population living in cities. However, in terms of geographical area and total population, Tamil Nadu is the most urbanized state, followed by Kerala (47.7%), which has surpassed Maharashtra (45.2%).

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

Taxila was Gandhara's capital. Gandhara was one of the 16 Mahajanpadas; it is now in Afghanistan, with some parts in Pakistan. Gandhara is mentioned in the Anguttara Nikaya (a Buddhist source). Alexander the Great conquered Gandhara in 327 BC. There were a total of 16 Mahajanapadas, or major kingdoms, in ancient India. Mahajanapadas existed from 600 B.C. to 345 B.C.

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

The 1991 LPG reforms were a strategic shift in the Indian economy that altered the very nature of Indian reality today. On July 24, 1991, India's New Economic Policy, known as the LPG or Liberalisation, Privatisation, and Globalisation model, was announced. Liberalization refers to the process of making policies less restrictive of economic activity, as well as lowering tariffs or eliminating non-tariff barriers. Privatization is the transfer of property or business ownership from the government to a privately owned entity. Globalization refers to the expansion of economic activities across national political boundaries.

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

The enchanting Nanda Devi peak is India's second-highest mountain and the world's 23rd-highest. The peak is located in Uttarakhand's Chamoli district and has an elevation of 7,816 meters. As Kanchenjunga is shared by India and Nepal, it is the highest mountain entirely in India.

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

The Battle of Plassey took place in 1757. It was fought between Siraj-Ud-Daulah (Nawab of Bengal) and Robert Clive's East India Company. The Battle of Plassey became famous because it was the Company's first major victory in India. Another reason for the defeat was that Clive had gained Mir Jafar's support by promising to make him Nawab after crushing Siraj-Ud-Daulah.

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

When the Indian Council Act was drafted in 1909, Lord Minto was the Viceroy of India. Lord Morley was the Secretary of State for India at the time. Morley-Minto Reforms are another name for this act. This act included the principle of direct election. This act also gave members of the legislative council the authority to ask additional questions to members of the executive council.

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

King Purushottama Deva established the Chera Panhara tradition. It is the most well-known rite connected with the Jagannath Puri Rath Yatra. The Gajapati King sweeps all over the deities and chariots during the festivity. He then sweeps the road with a gold-handled broom and sprinkles it with sandalwood water and powder. His deed crosses the divide between rich and poor, low and high castes, and brings out the critical message of labour dignity.

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

The nitrogen percentage in the air is 78%. Argon occupies 0.9% and oxygen occupies 21%. Trace gases such as carbon dioxide, nitrous oxides, methane, and ozone make up about a tenth of 1% of the atmosphere.

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

Coke is a hard, porous, black material. It is almost entirely composed of carbon. It is utilised in the production of steel as well as the extraction of numerous metals. Coke is made through the destructive distillation of bituminous coal. It's a nearly pure form of carbon.

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

Elelakkaradi is a tribal dance that is popular in districts such as Palakkad in Kerala, India. This is a community dance performed by women, men, and children. Elelakkaradi's theme is the struggle of humans against bears. The drum is the instrument used in Elelakkaradi. The participants in Elelakkaradi create a heroic mood. Kathakali is Kerela's most well-known dance drama. Kathakali means 'Story-Play' in Sanskrit. It is well-known for its elaborate makeup and costumes. On marriage occasions, the Kurumba tribe performs the Kurumbarkali dance. Before marriage, the bride and groom's relatives perform this dance, while the bride and groom perform it after marriage.

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

Field hockey, commonly known as hockey, is an outdoor sport in which two opposing teams of 11 players each compete. It is made up of a goalkeeper and ten field players. Participants use curved hitting sticks to hit a small, hard ball into their opponent's goal. The International Federation of Hockey establishes the rules. A field hockey game lasts 60 minutes in total. It is divided into four 15-minute quarters. Apart from the length of the game, there is a 5-minute tiebreaker followed by a shootout.

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

Shri Manoj Joshi, Secretary, Ministry of Housing and Urban Affairs (MoHUA), launched the 'SVANidhi se Samriddhi' program in an additional 126 cities across 14 States/UTs, in the presence of senior state/UT officials and representatives from various Central Ministries.

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

Neeraj Chopra became the country's first gold medalist in athletics. With a winning throw of 87.58 meters, he won the gold medal in the javelin throw event at the 2020 Summer Olympics in Tokyo.

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

The North-Eastern Railway Zone is headquartered in Gorakhpur, Uttar Pradesh. Indian Railways is divided into zones geographically. The Indian railway system had 13 zones in 2006. There are currently 18 Zonal Railways (including Metro Railway, Kolkata). The General Manager (GM) is in charge of each zone and is responsible for its operation, maintenance, and financial position. An Additional General Manager (AGM) and Department Heads assist the GM (HoD).

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

An amalaka is a segmented or notched stone disc with ridges on the rim that sits atop the shikhara or main tower of a Hindu temple. According to one interpretation, the amalaka represents a lotus, and thus the deity below has a symbolic seat. Another interpretation is that it represents the sun and thus serves as the portal to the heavenly world.

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

Vinay Mohan Kwatra, India's envoy to Nepal, has been appointed as the new Foreign Secretary, succeeding Harsh Vardhan Shringla, who will retire at the end of April 2022. Kwatra is a 1988-batch Indian Foreign Service (IFS) officer who will assume command on April 30, 22. He was the Ambassador of India to France from August 2017 to February 2020, prior to his diplomatic posting to Nepal in 2020.

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

Channa Mereya is a Hindustani song from the Hindi film Ae Dil Hai Mushkil. Amitabh Bhattacharya wrote the song, Pritam composed it, and Arijit Singh sang it. Sony Music India released it on September 29, 2016.

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

Mrinalini Sarabhai was the first woman to learn the all-male Kathakali style and the founder of the Darpana Academy Of Performing Arts, which teaches dance, music, drama, and puppetry. Mrinalini Sarabhai was a choreographer and classical dancer from India. She married the well-known scientist Vikram Sarabhai. Mrinalini Sarabhai was awarded the Padma Shri and the Padma Bhushan in 1965. (1992). In 1994, she was also awarded the prestigious Sangeet Natak Akademi Fellowship in New Delhi. Her most significant contribution to the field of dance is the Darpana Academy of Performing Arts, which she founded in Ahmedabad with her husband in 1949.

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

Titles are abolished in Article 18 of the constitution. It falls under the category of the Right to Equality. The Right to Equality (Articles 14 - 18) guarantees everyone equal treatment before the law, prohibits discrimination on various grounds, treats everyone as equals in public employment, and abolishes untouchability and titles. Article 18 prohibits hereditary titles of nobility conferred by colonial States, such as Maharaja, Raj Bahadur, Rai Bahadur, Rai Saheb, Dewan Bahadur, and so on because they violate the principle of equal status for all.