

Roll No.
Candidate Name
Exam Name : **PC-01** ▾
Test Date : 02/06/2022
Test Time : Shift - 1
Center : Bhopal-5 (SAGE University)

Correct Option selected Wrong Option selected or Not Answered Correct Option

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| Q.No: 1 | Lavani folk music is associated with which of the following Indian states? | |
| A | Bihar | |
| B | Maharashtra | |
| C | Himachal Pradesh | |
| D | Gujrat | |

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| Q.No: 2 | The ancient sites of Vaishya Tekri and Kumbhar Tekri can be found at . | |
| A | Datia | |
| B | Rewa | |
| C | Ujjain | |
| D | Satna | |

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| Q.No: 3 | In which year was the Madhya Pradesh Medical Council established? | |
| A | 2005 | |
| B | 1984 | |
| C | 1978 | |
| D | 1996 | |

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| Q.No: 4 | The FRBM (Fiscal Responsibility and Budget Management Act) rules mandate how many fiscal indicators to be projected in the medium-term fiscal policy statement? | |
| A | four | |
| B | two | |
| C | six | |
| D | five | |

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| Q.No: 5 | Soil erosion can be stopped by which of the following? | |
| A | By vegetative eradication | |
| B | By overgrazing | |
| C | Increase in the number of birds | |
| D | By planting forests | |

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| Q.No: 6 | Total expenditure of Madhya Pradesh for 2021-22 is estimated to be | |
| A | Rs 2.34 lakh crore | |
| B | Rs 4.40 lakh crore | |
| C | Rs 3.28 lakh crore | |
| D | Rs 1.2 lakh crore | |

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| Q.No: 7 | Consider the following statements about Maulana Azad and select the false one- |
| A | He was opposed to Jinnah's two-nation theory. |
| B | Azad was a scholar of Islam and an exponent of the notion of Wahadat-i-Deen. |
| C | He was well-versed in many languages. |
| D | Azad was born in Bengal. |

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| Q.No: 8 | Asian games 2022 will be hosted by which country? |
| A | Japan |
| B | Saudi Arabia |
| C | Qatar |
| D | China |

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| Q.No: 9 | Partition of Bengal was announced on which of the following day? |
| A | 17 October 1605 |
| B | 19 July 1605 |
| C | 18 July 1605 |
| D | 16 October 1605 |

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| Q.No: 10 | Maharaja Ranjit Singh Cup, Aga Khan Cup, and Rangaswamy Cup are related to which sport? |
| A | Football |
| B | Hockey |
| C | Wrestling |
| D | Golf |

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| Q.No: 11 | Surya Temple, Sesai was built by _____ rulers. |
| A | Maurya |
| B | Chol |
| C | Durjara |
| D | Pratihara |

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| Q.No: 12 | Since 1895 _____ has been the headquarters of the political agent in Malwa. |
| A | Neemuch |
| B | Jhabua |
| C | Khargone |
| D | Morena |

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| Q.No: 13 | Where is the University Institute of Technology Rajiv Gandhi Proudlyogiki Vishwavidyalaya located? |
| A | Jabalpur |
| B | Bhopal |
| C | Indore |
| D | Gwalior |

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| Q.No: 14 | Which fort was described by Mughal Emperor Babur as 'the pearl amongst the fortress of Hind'? |
| A | Ahilya Fort |
| B | Gwalior Fort |
| C | Chanderi Fort |
| D | Jhansi Fort |

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| Q.No: 15 | |
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| | Which of the following districts has the lowest sex ratio in Madhya Pradesh (as per the Census 2011)? |
| A | Bhind |
| B | Datia |
| C | Jhabua |
| D | Morena |

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| Q.No: 16 | In which of the following year, a Supreme Court was established in Calcutta? |
| A | 1781 |
| B | 1775 |
| C | 1765 |
| D | 1774 |

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| Q.No: 17 | Which of the following is one of the most important dance forms of Tripura? |
| A | Hojagiri |
| B | Chang Lo |
| C | Maruni |
| D | Cheraw Dance |

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| Q.No: 18 | Which of the following is the approximate current GDP of India? |
| A | 4 trillion |
| B | 3.7 trillion |
| C | 5.2 trillion |
| D | 2.66 trillion |

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| Q.No: 19 | Madhya Pradesh's capital outlay for 2021-22 is estimated to be Rs 40,667 crore, which is what percentage annual increase over 2019-20? |
| A | 18% |
| B | 23% |
| C | 7% |
| D | 12% |

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| Q.No: 20 | Between whom the first cricket ODI was played at the Captain Roop Singh stadium? |
| A | India vs Pakistan |
| B | India vs Sri Lanka |
| C | India vs Bangladesh |
| D | India vs West Indies |

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| Q.No: 21 | _____ is a medication used to treat hyperthyroidism. |
| A | Iodine-123 |
| B | Cobalt-60 |
| C | Carmines |
| D | Strontium-90 |

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| Q.No: 22 | _____ has the odour of chlorine. |
| A | Bleaching powder |
| B | Baking soda |
| C | Washing soda |
| D | Cement |

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| Q.No: 23 | The porcelain filter was developed in the lab of | |
| A | Aristotle | |
| B | Louis Phillipe | |
| C | Pasteur | |
| D | Dalton | |

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| Q.No: 24 | How many times does the human heart beat in a minute under normal conditions? (Approximately) | |
| A | 80 times | |
| B | 60 times | |
| C | 90 times | |
| D | 72 times | |

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| Q.No: 25 | Which one of the following is the odd one out in terms of extra embryonic membranes? | |
| A | Whale | |
| B | Mammals | |
| C | Amphibian | |
| D | Reptilia | |

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| Q.No: 26 | Which of the following is present on the head of a matchstick? | |
| A | Ammonium chloride | |
| B | Antimony trisulphide | |
| C | Sodium hydroxide | |
| D | Magnesium dioxide | |

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| Q.No: 27 | Work can only be done if a _____ is applied. | |
| A | Pressure | |
| B | Energy | |
| C | Sound | |
| D | Force | |

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| Q.No: 28 | Which of the following is NOT a recommendable thing to do with respect to health and hygiene? | |
| A | Eating fruits fresh and directly from the market | |
| B | Using clean water to wash utensils | |
| C | Keeping the kitchen clean | |
| D | Cleaning ears and nails | |

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| Q.No: 29 | <p>Directions: The following question consists of two statements one labeled as "Assertion" and the other as "Reason". You have to examine these two statements carefully and select the correct answer to the question from the given options.</p> <p>Assertion : (A) Indian sharks and</p> | |
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| | electric ray are cartilaginous fishes Reason: (R)these fishes consist of cartilaginous endoskeleton. | |
| A | (R) is the correct reason for (A) | |
| B | (R) is true but (A) is false. | |
| C | (A) is true but (R) is false | |
| D | (A) is false. | |

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| Q.No: 30 | Yotta means - | |
| A | 10²⁴ | |
| B | 10²⁷ | |
| C | 10²¹ | |
| D | 10³⁰ | |

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| Q.No: 31 | In which year the Wildlife Protection Act was passed? | |
| A | 1974 | |
| B | 1973 | |
| C | 1972 | |
| D | 1971 | |

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| Q.No: 32 | Which of the following is the hard top layer which has a characteristic feature of the solid crust of the earth? | |
| A | hydrosphere | |
| B | lithosphere | |
| C | biosphere | |
| D | stratosphere | |

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| Q.No: 33 | Which type of pollution caused by the industry would also emit the hazardous noise of machinery? | |
| A | Hazardous pollution | |
| B | Water pollution | |
| C | Noise pollution | |
| D | Air pollution | |

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| Q.No: 34 | Which of the following is also known as dry ice? | |
| A | Ozone | |
| B | Carbon dioxide | |
| C | Oxygen | |
| D | Nitrogen | |

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| Q.No: 35 | Lemon contains which acid? | |
| A | Palmitic acid | |
| B | Nitric acid | |
| C | Tartaric acid | |
| D | Citric acid | |

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| | Identify the classes that best represents the relationship among the given diagram. |
| Q.No: 36 | |
| A | Factory, product, Machinery |
| B | Men, Fathers, Engineer |
| C | Author, lawyer, singer |
| D | Pigeon, Bird, Dog |

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| | Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement. |
| | The book launch ceremony is either on Tuesday or on Wednesday |
| Q.No: 37 | <p>A. The book was launched on Tuesday</p> <p>B. The book was not launched on Tuesday</p> <p>C. The book was launched on Wednesday</p> <p>D. The book was not launched on Wednesday</p> |
| A | AB |
| B | DA |
| C | CA |
| D | BD |

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| Q.No: 38 | Choose the correct mirror image of this combination- GHJTHIO894POJ. |
| A | 1JHGHIO894TPOJ |
| B | 1GHJTHIO894TPOJ |
| C | 1GHJTHIO894TPOJ |
| D | 1GHJTHIO894TPOJ |

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| Q.No: 39 | Three of the following four number-pairs are alike in a certain way and one is different. Pick the odd pair out. |
| A | 49 : 218 |
| B | 9 : 64 |
| C | 16 : 125 |
| D | 4 : 27 |

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| | Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement. |
| | She will be punished severely, if she uses mobile in the class again. |
| Q.No: 40 | <p>A. she used mobile in the class again.</p> <p>B. she did not use mobile in the class again.</p> <p>C. She was punished severely</p> <p>D. She was not punished severely</p> |
| A | DB |
| B | DA |
| C | BC |
| D | BD |

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| Q.No: 41 | In the following question, a certain series of numbers or letters is given of which one series is empty. You have to decide which of the alternative series of the answer will be used in the blank space that is originally related to the sequence of that series. ZW19, US16, PO13, ? |
| A | KJ10 |
| B | KO10 |
| C | KI10 |
| D | KK10 |

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| Q.No: 42 | John and Khan start traveling in opposite directions together, from a certain point on a motorcycle. In that the speed of John is 25 km/h and that of Khan is 35 km/h. Accordingly, after 15 minutes, what will be the distance between them? |
| A | 10 km |
| B | 20 km |
| C | 5 km |
| D | 15 km |

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| Q.No: 43 | Select the letter-cluster that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster. DRIVEN : EDIRVN :: BEGUM : ? |
| A | EUBGM |
| B | BGMUE |
| C | BGMEU |
| D | UEBGM |

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| Q.No: 44 | From the given diagram, Find out the number of people who are unemployed. |
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| A | 480 |
| B | 190 |
| C | 170 |
| D | 210 |

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| Q.No: 45 | In the following question, select the odd number from the given alternatives. |
| A | 6054 |
| B | 2032 |
| C | 5027 |
| D | 5822 |

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| Q.No: 46 | A particular Analogy is being shown. Understand the logic and complete the analogy by selecting correct option: |
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| A | |

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| B | | |
| C | | |
| D | | |

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| Q.No: 47 | Find the odd word/letters/ number from the given alternatives. | |
| A | 7, 342 | |
| B | 5, 124 | |
| C | 3, 26 | |
| D | 2, 15 | |

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| Q.No: 48 | Select the option that is related to the third word in the same way as the second pair is related to the first pair. Peso : Chile :: Ringgit : ? | |
| A | China | |
| B | Malta | |
| C | Malaysia | |
| D | Zimbabwe | |

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| Q.No: 49 | Three of the following four letter clusters are alike in a certain way and one is different. Find the odd one out. | |
| A | CH | |
| B | DP | |
| C | EY | |
| D | BD | |

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| Q.No: 50 | Kunal walks 20m south, he turns left and walks 30m, then he turns left and walks 35m, then he turns right and walks 15m, then he turns right and walks 15m. he again turns right and walks 15m. How far is kunal from his starting point? | |
| A | 25 m | |
| B | 30 m | |
| C | 45 m | |
| D | 15 m | |

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| Q.No: 51 | Given question has main statement followed by four statements. Choose the ordered pair of statements, where the first statement implies the second, and the two statements are logically consistent with the main statement. When she takes an examination, she clears it. | |
| | A. she took an examination | |
| | B. she did not take an examination | |
| | C. she cleared it. | |
| | D. she did not clear it. | |

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| A | DA |
| B | AC |
| C | BC |
| D | CD |

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| Q.No: 52 L is brother of M. M is father of N. N is son of O. How is O related to L? | |
| A | Brother |
| B | Sister-in-law |
| C | Data inadequate |
| D | Sister |

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| Find the related word from the given alternatives. | |
| Q.No: 53 | |
| Lion : Pride | |
| A | Reptile : Poisonous |
| B | Wolf : Pack |
| C | Hill : Mountain |
| D | Tiger : Brave |

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| Select the figure that will come next in the following figure series. | |
| Q.No: 54 | |
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| A | |
| B | |
| C | |
| D | |

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| Find the missing term in the following series. | |
| Q.No: 55 | |
| ST39, UV43, WX47, ? | |
| A | YZ51 |
| B | YZ52 |
| C | Z47 |

D YX50

Q.No: 56 A 50L mixture of tea contains 20% of milk. How much milk should be added to it so that the new mixture contains 10%?

A 5.3L

B 5.1L

C 5.4L

D 5.5L

Q.No: 57 A Car reaches the office at a speed of 40 km/hr from home. There is a lot of traffic on the way back home, so the car speed is 20 km/hr. What is the average speed of the car?

A 40 km/hr

B 30 km/hr

C 25 km /hr

D 20 km/ hr

Q.No: 58 Two number are in the ratio of 5:3 and their LCM is 150. The first number is:

A 100

B 50

C 30

D 60

Q.No: 59 What should come in place of question mark in the following number series?

$$\sqrt{(18 \div 7 \times ?) \div 11} = 23 \div 5 + 1.4$$

A 150

B 154

C 152

D 156

Q.No: 60 Simplify: $\frac{289}{17} - \left\{ \frac{36}{28} + \left(\frac{42}{7} \div \frac{14}{7} \right) \right\}$

A $\frac{6789}{234}$

B $\frac{9876}{432}$

C $\frac{5828}{476}$

D $\frac{5828}{476}$

Q.No: 61 Simplify: $85 + 22 - 40 \times 2$

A 56

B 54

C 27

D 99

Q.No: 62 How much pure alcohol must be added to 16500 ml of a solution containing 25% of alcohol to change the concentration of alcohol in the mixture to 80%

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| A | 15488 |
| B | 5289 |
| C | 45375 |
| D | 21980 |

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| Q.No: 63 | The fourth proportional 12, 21, 6 is: |
| A | 12.5 |
| B | 15 |
| C | 10.5 |
| D | 10 |

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| Q.No: 64 | Evaluate: $10 \times 2 - 12 \div 3 - 2 \times 17.5 + 9 \times 3$ |
| A | 7 |
| B | 12 |
| C | 8 |
| D | 17 |

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| Q.No: 65 | The average of 5 terms is 50. If the first 4 terms are 45, 42, 119, and 84, what will be the last term? |
| A | -40 |
| B | +80 |
| C | -80 |
| D | +40 |

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| Q.No: 66 | Simplify: $2089 - [39 + \{102 + (96 + 56 + 8 \times 2)\}]$ |
| A | 1838 |
| B | 1722 |
| C | 1726 |
| D | 1800 |

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| Q.No: 67 | There are two vessels A and B. Vessel A is containing 55 L of Pure milk and vessel B is containing 35 L of pure water. From vessel A, 5L of milk is taken out and poured into vessel B. Then, 10 L of mixture (milk and water) is taken out from vessel B and poured into vessel A. What is the ratio of the quantity milk in vessel A to the quantity of pure water in vessel B? |
| A | 41:32 |
| B | 732:761 |
| C | 391:910 |
| D | 293:271 |

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| Q.No: 68 | Average of two numbers is 90 and one of the numbers is twice the other. Find both the numbers. |
| A | 65 and 130 |
| B | 50 and 100 |
| C | 60 and 120 |
| D | 55 and 110 |

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| Q.No: 69 | 209 L of a mixture contains alcohol and water in the ratio 23: 17. If 8 L of water is mixed in it, the percentage of alcohol in the new mixture will be |
| A | 39:91 |
| B | 91:16 |
| C | 53:37 |
| D | 43:52 |

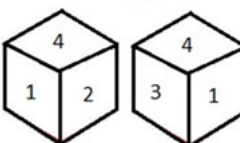
D 43.52

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| Q.No: 70 | The average of five consecutive odd numbers is 9. Then find the greatest number. |
| A | 5 |
| B | 9 |
| C | 13 |
| D | 11 |

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| Q.No: 71 | Find the next term in the series. EF, IL, MR, QX, ? |
| A | UD |
| B | CP |
| C | CV |
| D | DF |

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| Q.No: 72 | In question below are three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly facts and then decide which of the given conclusions logically follows from the given statements. Statements: I. All chips are battery. II. All chargers are battery. III. All battery are mobiles. Conclusions: I. Some chips are mobiles. II. All chargers are mobiles. |
| A | Only conclusion I follows. |
| B | Only conclusion II follows. |
| C | Both conclusions I and II follows. |
| D | Neither conclusion I nor II follows. |

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| Q.No: 73 | In a certain language STAR is written as 60, then how is DOLL coded in same language? |
| A | 42 |
| B | 45 |
| C | 32 |
| D | 48 |

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| Q.No: 74 | Two different appearance of a dice is shown below, which number lies to the opposite of '3'? |
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| A | 4 |
| B | 2 |
| C | 1 |
| D | 5 |

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| Q.No: 75 | In a class, Monu's rank is twenty-third from the bottom and is thirty-seventh from the top, how many students are there in that class? |
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| A | 60 |
| B | 59 |
| C | 57 |
| D | 58 |

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| Q.No: 76 | <p>Arrange the following words as per their order in the English dictionary.</p> <ol style="list-style-type: none"> Approach Appropriate Approval Approve |
| A | 1,2,4,3 |
| B | 1,3,4,2 |
| C | 3,2,1,2 |
| D | 1,2,3,4 |

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| Q.No: 77 | Sam ranked ninth from the top and thirty-eight from the bottom in a class. How many students are there in the class? |
| A | 48 |
| B | 46 |
| C | 47 |
| D | 45 |

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| Q.No: 78 | <p>Find the next term in the series.</p> <p>MEZ, NGX, OIW, PKU, ?,</p> |
| A | QMT |
| B | QNT |
| C | QNP |
| D | QMN |

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| Q.No: 79 | <p>If in a certain code language PARROT is written as '123345' and 'SOAT' is written as '6425', then how would 'ROAST' be written in that same code language?</p> |
| A | 34265 |
| B | 32456 |
| C | 32564 |
| D | 34625 |

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| Q.No: 80 | <p>If 'white' is called 'blue', 'blue' is called 'red', 'red' is called 'yellow', 'yellow' is called 'green', 'green' is called 'black', 'black' is called 'violet' and 'violet' is called 'orange', what would be the colour of human blood?</p> |
| A | Green |
| B | Yellow |
| C | Red |
| D | Violet |

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| Q.No: 81 | If the word MENTAL is coded as 130514200112, then how will word ABILITY be coded? |
| A | 01029102092025 |
| B | 100120912092025 |
| C | 00120912092025 |
| D | 01020912092025 |

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| Q.No: 82 | <p>Which one word can be formed from the following letters ?</p> <p>b c e a m l n i g</p> |
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| A | becalming |
| B | becoming |
| C | beshaming |
| D | betrained |

Q.No: 83 Three positions of a cube are shows below. What will come opposite to face containing 'Ω'?

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| A | Ψ |
| B | ∅ |
| C | μ |
| D | ω |

Q.No: 84 Complete the following series
75, 291, 416, 480, 507, ____

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| A | 511 |
| B | 532 |
| C | 521 |
| D | 515 |

Q.No: 85 In a row, X is 24th from left end and Y is 28th from right end. When they interchange their position respectively, then Y becomes 40 from right end. Then what will be Gaurav position from left after interchanging?

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| A | 32 |
| B | 34 |
| C | 36 |
| D | 35 |

Q.No: 86 The price of fifteen shares in rupees are as follows :
46, 25, 11, 73, 73, 59, 28, 25, 73, 30, 25, 8, 25, 80, 25
Find the Mode of the price.

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| A | 25 |
| B | 80 |
| C | 73 |
| D | 59 |

Q.No: 87 What will come in place of the question mark (?) in each of the following number series?
24, 625, 26, 729, 28, 841, ____

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| A | 30 |
| B | 29 |
| C | 900 |
| D | 961 |

Q.No: 88 Number of composite numbers lying between 67 and 101 is

- A 23
- B 24
- C 27
- D 26

Q.No: 89 There are two jugs of capacity 240L and 70L are filled with juice. What must be the capacity of a mug that can completely measure the juice of the given two jugs?

- A 5L
- B 2L
- C 280L
- D 10L

Q.No: 90 Three years ago Sachin's age was 3 years more than 6 times his son's age. Four years later his age will be ten years less than four times his son's age. Find their present ages.

- A 30 and 7 years
- B 29 and 8 years
- C 28 and 7 years
- D 29 and 7 years

Q.No: 91 Find the mother age after 8 years, if the ratio of age of mother and son is 4 : 3 and the product of their ages in years is 1200.

- A 46 years
- B 48 years
- C 44 years
- D 42 years

Q.No: 92 The least number, which when divided by 5, 6, 7 and 8 leaves a remainder 3 in each case, but when divided by 9 leaves no remainder, is-

- A 3363
- B 1683
- C 2523
- D 1677

Q.No: 93 A pipe can fill a cistern in 11 hours Due to a leak in the bottom it is filled in 13 hours When the cistern is full, in how much time will it be emptied by the leak?

- A 321/17 hours
- B 143/2 hours
- C 249/5 hours
- D 616/31 hours

Q.No: 94 P is thrice as productive as R. Together they can complete a job in 22.5 days. If Q joins them after they have worked for 15 days then in how many days can they finish the rest of the job if Q alone can do the job in 15 days?

- A 2
- B 5
- C 3
- D 4

Q.No: 95 Calculate the cube's edge length if its surface area is 7776 cm².

- A 25 cm

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| B | 36 cm |
| C | 12 cm |
| D | 17 cm |

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| Q.No: 96 | Mother is four times the age of her son. If after 5 years, she would be three times of son's age, then after 15 years, how many times she would be of her son's age? |
| A | $\frac{5}{2}$ times |
| B | 4 times |
| C | $\frac{11}{5}$ times |
| D | 3 times |

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| Q.No: 97 | A square with maximum possible side is drawn in a circle of radius 12 cm. Find the area of square. |
| A | 288 sq cm. |
| B | 276 sq cm. |
| C | 72 sq cm. |
| D | 184 sq cm. |

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| Q.No: 98 | What is the perimeter of an isosceles triangle when the two equal side is given as 8 cm and the other side is given as 4 cm? |
| A | 26 |
| B | 24 |
| C | 16 |
| D | 20 |

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| Q.No: 99 | Find the Mode of the series 32, 15, 25, 20, 8, 46, 43 and 51 |
| A | 25.5 |
| B | 27.4 |
| C | 29.2 |
| D | 24.6 |

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| Q.No: 100 | Hari weaves 23 baskets in 66 days. In how many days will she weave 374 baskets? |
| A | 120 days |
| B | 376 days |
| C | 187 days |
| D | 140 days |