

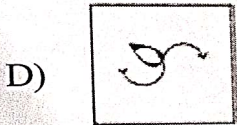
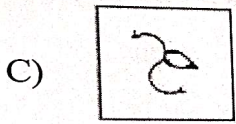
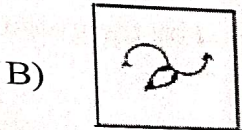
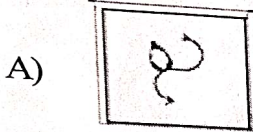
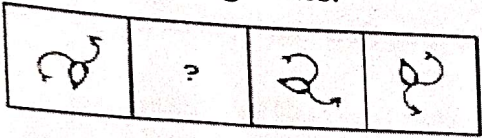
The second number in the given number pairs is obtained by performing certain mathematical operation(s) on the first number. The same operation(s) are followed in all the number pairs EXCEPT one. Find that odd number pair.

- A) 33 - 24
- B) 54 - 36
- C) 45 - 30
- D) 48 - 32

2. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. 19 : 80 :: 23 : 96 :: 16 : ?

- A) 76
- B) 68
- C) 70
- D) 62

3. Select the figure from among the given option that can replace the question mark (?) in the following series.



6 4  
5

4. Saloni is the daughter of the only son of Kartik. Nirupama is the mother of Deepak. Yamini's only son, Ankit, is married to Nirupama. Kartik is the paternal grandfather of Deepak. How is Kartik related to Ankit?

- A) Father
- B) Paternal uncle
- C) Son
- D) Brother



5. Six persons are posing before a camera for a group photograph. P is standing exactly between N and S, while Q is to the immediate left of N. O is at the extreme right, while R is to his immediate left. Who is to the exact right of S?

- A) P
- B) N
- C) R
- D) Q

6. In a certain code language, 'Read the code' is coded as '18 20 3', 'Decode the code' is coded as '4 20 3' and 'code is easy' is coded as '3 9 5'. How will 'make one code' be coded in that language?

- A) 19 18 5
- B) 12 13 15
- C) 13 15 3
- D) 1 2 5

7. Which of the following numbers will replace the question mark (?) in the given series?  
2, 22, 32, 42, 57, 87, 162, ?

- A) 387
- B) 356
- C) 365
- D) 378

8. Select the set of classes the relationship among the best illustrated by the given Venn diagram.



- A) Eatables, Plums, Fruits
- B) Males, Females, Daughters
- C) Women, Gynecologists, Doctors
- D) Entrepreneurs, Women, Philanthropists

9. Select the option in which the numbers are related in the same way, as the numbers of the following set.

98 : 81 : 72

- A) 76 : 63 : 54
- B) 68 : 56 : 46
- C) 72 : 63 : 55
- D) 68 : 54 : 44

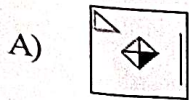
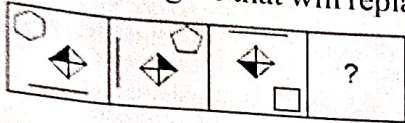


10. Select the option that is related to the third term in the same way as the second term is related to the first term.

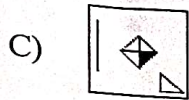
PRACTISE : ACEIPRST :: TECHNOLOGY : ?

- A) CEGHLNOOTY  
B) CEGLHOONTY  
C) HCETONYGLO  
D) CEGHLNOPTY

11. Select the figure that will replace the question mark (?) in the following figure series.



B)



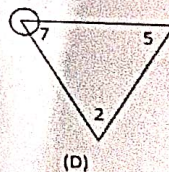
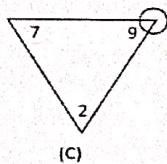
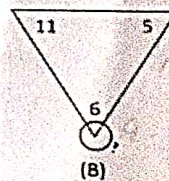
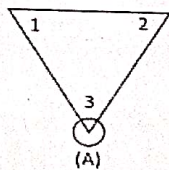
D)



12. Reeta is standing facing south-east. First, she turns  $135^\circ$  clockwise. After that she turns  $90^\circ$  anticlockwise. Then she turns  $45^\circ$  clockwise, followed by a  $135^\circ$  anticlockwise turn. In which direction is she facing now?

- A) East  
B) North-east  
C) South  
D) South-east

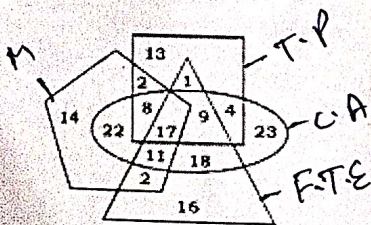
13. Look at the given figures and find the odd one out. Choose the correct option.



- A) B  
B) C  
C) D  
D) A



14. In a certain code language, 'CHILD' is written as '6169248' and 'GUEST' is written as '42153840'. How will 'BOOK' be written in that language?
- A) 2303011  
B) 41522  
C) 4151522  
D) 23011
15. There are seven members, B, C, D, E, F, G and H, in a family. H is the only daughter-in-law of D. E is the sister of C. C is the only son of F, who is the wife of D. B and G are the sons of H. How is G related to F?
- A) Son  
B) Grandson  
C) Father  
D) Brother
16. Shri Gautam Pahari exits from the backdoor of his north-facing house and walks 25 m straight, then he takes a left turn and walks 36 m, then he turns left and walks 47 m. He turns left again and walks 36 m. How far and in which direction is he from his house now?
- A) 11 m, South  
B) 11 m, North  
C) 22 m, North  
D) 22 m, South
17. In the following Venn diagram, the oval stands for 'chartered accountants', pentagon stands for 'males', the triangle stands for 'full-time employees', and the square stands for 'tax-payers'. The given numbers represent the number of persons in that particular category.



How many male chartered accountants are NEITHER tax-payers NOR full-time employees?

- A) 17  
B) 8  
C) 22  
D) 14



18. Select the number from among the given options that can replace the question mark (?) in the following series.  
361, 323, 285, 247, ?  
A) 215  
B) 227  
C) 209  
D) 232

Direction for question number (19 to 21): Find the error in one part of the given sentence. If there is no error, the answer is '4' i.e. No error.

19. In a history of Indian (1)/rulers, Harshavardhan's regime of (2)/a few years is one of the best periods. (3)/No error (4)  
A) 1  
B) 2  
C) 3  
D) 4
20. They persisted (1)/ on their going (2)/ inspite of rain. (3)/No error (4)  
A) 1  
B) 2  
C) 3  
D) 4
21. Not much (1)/ people realize (2)/ his sincerity. (3)/ No error (4)  
A) 1  
B) 2  
C) 3  
D) 4
22. In the following question, a part of the sentence is printed in **BOLD** which may need improvement. Alternatives are given at (a), (b) and (c) below, one of which may be a better option. In case no improvement is needed, your answer is (d).  
Although he was tired, he **went out for playing**.  
A) goes out for playing  
B) goes out to play  
C) went out to play  
D) No improvement

23. In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.

**Did he plan an excursion to mountains ?**

- A) Has an excursion to mountains planned by him ?  
B) Had an excursion to mountains planned by him ?  
C) Was an excursion to mountains planned by him ?  
D) Is an excursion to mountains planned by him ?



In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then fill in the blanks with the help of the alternatives given from the question number (24 to 28).

One rainy day I watched a neighbour (24) to push her toddler in a pram with one hand and control her Doberman with the other. The dog didn't want to get its feet wet and was refusing to walk. I was about to put on my jacket and offer (25) help when the trio disappeared (26) some hedges. When they reappeared, she (27) to have sorted out her problem: the toddler, attached to the dog's leash, was (28) running through mud puddles, and the dog was in the pram.

24. Refer passage in question number 24.

- A) was struggling
- B) struggling
- C) to struggle
- D) being struggle

25. Refer passage in question number 25.

- A) few
- B) lot
- C) the
- D) some

26. Refer passage in question number 26.

- A) behind
- B) on
- C) above
- D) to

27. Refer passage in question number 27.

- A) seem
- B) was
- C) seemed
- D) looked

28. Refer passage in question number 28.

- A) joyously
- B) generally
- C) hardly
- D) fiercely

29. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

- A) quintessance
- B) quintessence
- C) quaintessence
- D) quintassence

30. In the following questions, choose the word opposite in meaning to the given word.

NONCONFORMIST

- A) conventional
- B) practical
- C) fashionable
- D) nomad



31. In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word.  
OBSEQUIIOUS  
A) Defiant  
B) Dishonest  
C) Servile  
D) Honest
32. In the following questions, choose the word opposite in meaning to the given word.  
CONTENTIOUS  
A) precious  
B) controversial  
C) benevolent  
D) extravagant
33. In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.  
ESPIONAGE  
A) hypnotism  
B) spying  
C) perception  
D) detente
34. In the following question, a part of the sentence is printed in bold which may need improvement. Alternatives are given at (a), (b) and (c) below, one of which may be a better option. In case no improvement is needed, your answer is (d).  
It became clear that the strangers were heading **into** a serious disaster.  
A) along  
B) towards  
C) on  
D) No improvement
35. In the following questions, some parts of the sentences have errors and some are correct. Find out which part of a sentence has an error. If a sentence is free from errors, your answer is No error.  
The teachers, who I worked with, were very insensitive towards children's needs.  
A) The teachers, who I worked with  
B) were very insensitive  
C) towards children's needs  
D) No error
36. In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.  
**I was obliged to leave.**  
A) Circumstances have obliged me to leave.  
B) Circumstances obliged me to leave.  
C) Circumstance will oblige me to leave.  
D) Circumstance was obliged me to leave.



37. Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.
- A) Reconaissance
  - B) Recconaisance
  - C) Reconnaissance
  - D) Reconnaissence

A passage is given with 5 questions (38-42) following it. Read the passage carefully and choose the best answer to each question out of the four alternatives.

To know language is to be able to speak it. even a child who does not yet attend school can speak his or her language. In order to speak a language it is important to listen to it and to read a few pages in it everyday. A child picks up language and learns to talk just as (s) he learns to walk. Walking and talking comes naturally to a child as it grows. In our country, a child may grow up speaking more than one language, if these languages are spoken in the home and in the neighbourhood. We call this multilingualism. A child speaks a language or languages much before (s) he starts going to school. To know a language then is first of all to be able to speak it as easily and naturally as a three year old child does. Later on the child will learn to read and write in that language. In order to read and write in a language, one has to speak it. But it is possible to speak a language but not able to read or write in it. A baby does not speak until it is nine months old but it understands a few words at six months of age. It has been listening ever since it was born, and even a little before that. So the first strategy in speaking a language is to listen.

38. One of the activities of a child before it is even born is \_\_\_\_\_ .
- A) seeing
  - B) listening
  - C) understanding
  - D) talking
39. It is necessary for one to \_\_\_\_\_ the language before (s)he writes in that language.
- A) sing
  - B) spell
  - C) speak
  - D) None of the above
40. Multi-lingualism means
- A) speaking more than one language
  - B) speaking only one language
  - C) speaking any language
  - D) speech
41. A child has been \_\_\_\_\_ ever since it was born.
- A) speaking
  - B) reading
  - C) walking
  - D) listening



42. To know a language one must be able to
- A) Speak it as easily and naturally as a three year old child
  - B) Read it well all the time.
  - C) Write it quickly
  - D) Sing in the language
43. What is the name of the new cooperative-based taxi service being launched by the Indian government?
- A) Bharat Taxi
  - B) Sahkar Taxi
  - C) Janata Taxi
  - D) Swadeshi Taxi
44. When is National Maritime Day observed in India?
- A) April 2
  - B) April 5
  - C) May 2
  - D) May 5
45. Purple revolution in Jammu and Kashmir is associated with which crop?
- A) Maize
  - B) Saffron
  - C) Brinjal
  - D) Lavender
46. Who was the first Indian to be elected to the British Parliament?
- A) Dadabhai Naoroji
  - B) Gopala Krishna Gokhale
  - C) Bipin Chandra Pal
  - D) Lala Lajpat Rai
47. A body moving in a circular path with a constant speed has a
- A) constant velocity
  - B) constant acceleration
  - C) constant kinetic energy
  - D) constant displacement



48. Which company is developing India's first 'Drone City' in Andhra Pradesh?
- A) Adani Aerospace
  - B) Reliance Aerospace
  - C) Bharat Drone Industries
  - D) Garuda Aerospace
49. Who was the Mughal emperor during the annexation of Kashmir to the Mughal Empire?
- A) Shah Jahan
  - B) Akbar
  - C) Aurangzeb
  - D) Jahangir
50. Which one of the following battles led to the foundation of the Mughal rule at Delhi?
- A) Third Battle of Panipat
  - B) Second Battle of Panipat
  - C) Battle of Haldighati
  - D) First Battle of Panipat
51. The famous Dilwara temples of Mount Abu are a sacred pilgrimage place for whom?
- A) Buddhists
  - B) Jains
  - C) Sikhs
  - D) Parsis
52. Odontology is the branch of science which deals with the study of
- A) Teeth
  - B) Ontogeny
  - C) Bone
  - D) Ageing
53. The first World Audio Visual and Entertainment Summit (WAVES) was organized by the Government of India from May 1 to 4, 2025 in which city?
- A) Mumbai
  - B) New Delhi
  - C) Jaipur
  - D) Chennai



54. Which valley is between Pir Panjal and Himalayas range?  
A) Kangra and Kulu Valley  
B) Kashmir Valley  
C) Dun Valley  
D) Chenab Valley
55. The rock that results from solidification of molten lava from a volcano is an example of which of the following?  
A) Igneous Rock  
B) Granite Rock  
C) Basalt Rock  
D) Magnetite
56. For immediate energy production in cells, one should take  
A) Glucose  
B) Proteins  
C) Vitamin C  
D) Sucrose
57. Which team won the 90<sup>th</sup> edition of the Ranji Trophy?  
A) Mumbai  
B) Karnataka  
C) Vidarbha  
D) Saurashtra
58. Highly specialized form of agriculture in which crops like coffee, tea and rubber are cultivated refer to  
A) multiple cropping  
B) plantation agriculture  
C) terrace farming  
D) extensive farming
59. Which of the following is responsible for fostering the development of dance, drama and music in India?  
A) Lalit Kala Akademi  
B) Sangeet Natak Akademi  
C) National School of Drama  
D) Sahitya Akademi
60. Who released the book 'Jammu Kashmir & Ladakh Through the Ages: A Visual Narrative of Continuities and Linkages'?  
A) Narendra Modi  
B) Amit Shah  
C) President of India  
D) Nitin Gadkari



61. Which one of the following processes is responsible for the glittering of air bubble rising through water?
- A) Reflection of light
  - B) Refraction of light
  - C) Total internal reflection of light
  - D) Scattering of light
62. What is the name of the military operation launched by India targeting terrorist infrastructure in Pakistan and PoK recently?
- A) Operation Shakti
  - B) Operation Trident
  - C) Operation Sindoor
  - D) Operation Strikeback
63. Which of the following is not a chemical reaction?
- A) Burning of paper
  - B) Digestion of food
  - C) Burning of coal
  - D) Conversion of water into steam
64. Which State/Union Territory topped the medal table of the first Khelo India Beach Games 2025?
- A) Manipur
  - B) Maharashtra
  - C) Chandigarh
  - D) Haryana
65. Which of the following is the under construction tunnel that will provide all-weather connectivity between Srinagar valley and Leh?
- A) Zojila tunnel
  - B) Jelep La tunnel
  - C) Atal tunnel
  - D) Dr. Shyama Prasad Mukherjee Tunnel
66. Which of the following is also known as the "sale deed of Kashmir"?
- A) Treaty of Punjab
  - B) Treaty of Amritsar
  - C) Treaty of Srinagar
  - D) Treaty of Jammu



67. Uneven distribution of insolation on the earth is mainly due to the
- A) spherical shape of the earth
  - B) distribution of land and water
  - C) direction of the winds
  - D) presence of pressure belts
68. RBCs do not perform aerobic respiration because these do not contain
- A) Mitochondria
  - B) Nucleus
  - C) Endoplasmic Reticulum
  - D) Lysosomes
69. Zero Discrimination Day is observed annually on March 1<sup>st</sup> to promote equality and stand against discrimination in all its forms. What is the theme for Zero Discrimination Day 2025?
- A) Equality for All
  - B) We stand together
  - C) No More Discrimination
  - D) Break the Barriers
70. The dance of Kashmir in which a teenage boy dresses in a female attire resembling that of kathak.
- A) Chamb
  - B) Dandaras
  - C) Bhand Jashan
  - D) Baccha Nagma
71. Which of the following power project in J & K is located on Suru river which is also a tributary of the river Indus?
- A) Bursar Hydroelectric power plant
  - B) Kwar Hydroelectric power plant
  - C) Chutak Hydroelectric power plant
  - D) Uri Hydroelectric power plant
72. Which of the following pairs is correctly matched ?
- A) Vitamin-A : Scurvy
  - B) Vitamin-B : Rickets
  - C) Vitamin-C : Nightblindness
  - D) Vitamin-E : Reproduction
73. Which from the following is a 'classical dance' form ?
- A) Kalaripayattu
  - B) Chhobia
  - C) Bhawai
  - D) Kathakali



74. Which player won the Women's Player of the Year Award for the 2024-25 season at the AITF Awards 2025?
- A) Bala Dev
  - B) Ashalata Devi
  - C) Manisha Kalyan
  - D) Soumya Guguloth
75. Typhoid fever is caused by
- A) Bacteria
  - B) Virus
  - C) Protozoa
  - D) Fungi
76. What is the name of the Sufi music festival praised by Prime Minister Narendra Modi for its 25-year journey?
- A) Ruhaniyat
  - B) Jahan-e-Khusrau
  - C) Sufi Sutra
  - D) Qawwali Mahotsav
77. The layer of the atmosphere in which Radio Waves are reflected back is called ;
- A) Ionosphere
  - B) Exosphere
  - C) Stratosphere
  - D) Troposphere
78. The important metal used with iron to produce stainless steel is
- A) Aluminium
  - B) Tin
  - C) Chromium
  - D) Carbon
79. Who among the following has not been selected for the 2024 Major Dhyan Chand Khel Ratna Award?
- A) Sandeep Sangwan
  - B) Gukesh D
  - C) Manu Bhaker
  - D) Praveen Kumar



80. Which of the following options is INCORRECT with reference to the famous fabrics weaved (under handloom sector) in Union Territory of Jammu and Kashmir?
- A) Raffal Shawls
  - B) Kani Shawls
  - C) Pashmina Shawls
  - D) Rabari Shawls
81. Mahatma Gandhi's remark, "A post-dated cheque on a crumbling bank" is regarding the proposals of
- A) Simon Commission
  - B) Cripps Mission
  - C) Cabinet Mission
  - D) Wavell Plan
82. Which vein brings clean blood from the lungs into the heart ?
- A) Renal Vein
  - B) Pulmonary Vein
  - C) Vena Cava
  - D) Hepatic Vein
83. What is the name of the new portal being launched for real-time monitoring of food storage depots, aiming to improve quality, safety, and transparency in warehousing?
- A) Grain Guard
  - B) Smart Storage
  - C) Depot Darpan
  - D) Mandi Mitra
84. Which one of the following is not included in the 'Eight Fold Path' of Buddhism ?
- A) Right Speech
  - B) Right Contemplation
  - C) Right Desire
  - D) Right Conduct
85. The most commonly used chemicals in the artificial rainmaking is
- A) Sodium Chloride (NaCl)
  - B) Dry Ice (Frozen  $\text{CO}_2$ )
  - C) All of the above
  - D) Silver Iodide (AgI)
86. What is the name of the application released by the Railway Ministry, a one stop solution offering multiple public-facing services?
- A) SwaRail
  - B) RailConnect
  - C) TrainTracker
  - D) RailGuru



87. A traditional Gondola type light weight rowing boat ride which is famous on the pristine Dal Lake in Kashmir is referred to as:
- A) Gondola ride
  - B) Tonga ride
  - C) Shikara ride
  - D) Coracle ride
88. Who among the following foreigners was the first to visit India ?
- A) Hiuen Tsang
  - B) Magasthenese
  - C) I-Tsing
  - D) Fahien
89. Alcohol is more volatile than water because \_\_\_\_\_ is lower than water.
- A) its boiling point
  - B) its density
  - C) its viscosity
  - D) its surface tension
90. Maharashtra and Gujarat Day are celebrated annually to mark the establishment of these states. On which date and in which year were the states of Maharashtra and Gujarat officially formed?
- A) May 1, 1962
  - B) May 1, 1960
  - C) May 1, 1965
  - D) May 1, 1963
91. The length and the breadth of a rectangle are made to increase and decrease, respectively, by 8% and 10%. What is the percentage increase or decrease in its area?
- A) Decrease by 1.8%
  - B) Increase by 1.8%
  - C) Increase by 2.8%
  - D) Decrease by 2.8%
92. If  $p$  is the third proportional to 8, 20 and  $q$  is the fourth proportional to 3, 5, 24, then find the value of  $(2p + q)$ .
- A) 140
  - B) 126
  - C) 90
  - D) 104



93. X, Y and Z can do a piece of work in 46 days, 92 days and 23 days, respectively. X started the work. Y joined him after 2 days. If Z joined them after 8 days from the beginning, then for how many days did X work?
- A) 16  
B) 21  
C) 18  
D) 13

$$\frac{92}{23} = 4$$

$$\frac{46}{23} = 2$$

$$2 \times 2 + 3 \times 4 + 7$$

94. In the first 10 overs of a cricket game, the run rate was only 7.2. What should be the average run rate in the remaining 40 overs to reach the target of 272 runs?
- A) 4  
B) 5  
C) 6  
D) 7

$$\frac{361}{209} = 1.72$$

$$\frac{272}{10} = 27.2$$

$$27.2 - 7.2 = 20$$

95. The lengths of the three sides of a right-angled triangle are  $(x-1)$  cm,  $(x+1)$  cm, and  $(x+3)$  cm, respectively. The hypotenuse of the right-angled triangle (in cm) is:
- A) 6  
B) 10  
C) 12  
D) 18



$$\frac{72}{10} = 7.2$$

96. LCM of two numbers is 56 times their HCF, with the sum of their HCF and LCM being 1710. If one of the two numbers is 240, then what is the other number?
- A) 57  
B) 171  
C) 1680  
D) 210

$$\frac{1710}{57} = 30$$

$$30 - 240 = 210$$

97. A card is removed from a well shuffled pack of 52 cards. A card is now drawn at random from the pack. What is the probability that the drawn card is a king?
- A)  $\frac{19}{221}$   
B)  $\frac{1}{13}$   
C)  $\frac{15}{221}$   
D)  $\frac{3}{17}$

$$\frac{4}{52} = \frac{1}{13}$$

98. Two similar jugs have their heights of 8 cm and 12 cm, respectively. If the capacity of the smaller jug is  $80 \text{ cm}^3$ , what is the capacity of the bigger jug (in  $\text{cm}^3$ )?
- A) 120  
B) 192  
C) 216  
D) 270

$$\frac{12}{8} = \frac{3}{2}$$

$$\frac{3}{2} \times 80 = 120$$



99. The price of an item is reduced by 20%. As a result, customers can get 2 kg more of it for Rs. 360. Find the original price (in Rs.) per kg of the item.

A) 40  
B) 45  
C) 48  
D) 36

$$\frac{1}{5}$$

$$\begin{array}{r} 5 \ 4 \\ 4 \ 5 \\ \hline 1235 \end{array}$$

100. Person A can do one-fifth of the work in 3 days, while B's efficiency is half of that of A. In how many days A and B working together can do half of the work?

A) 4  
B) 7  
C) 6  
D) 5

$$\frac{1}{5} = \frac{3}{15}$$

$$A = 15 \text{ days}$$

$$B = 30 \text{ days}$$

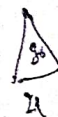
101. Two trains are running on parallel tracks in the same direction at the speed of 80 km/h and 90 km/h, respectively. The trains crossed each other in 3 minutes. If the length of one train is 230 m, then what is the length (in m) of the other train?

A) 270  
B) 245  
C) 193  
D) 357

$$\begin{array}{r} 230 \\ 270 \\ \hline 500 \end{array}$$

102. How many small solid spheres each of 5 mm radius can be made out of a metallic solid cone whose base has radius 21 cm and height 30 cm?

A) 32000  
B) 18260  
C) 26460  
D) 25000



103. Three numbers are in the proportion of 3 : 8 : 15 and their LCM is 8280. What is their HCF?

A) 60  
B) 69  
C) 75  
D) 57

$$\frac{63}{54}$$

$$\frac{41}{369}$$

104. A die is rolled twice. What is the probability of getting a sum equal to 9?

A)  $\frac{2}{3}$   
B)  $\frac{2}{9}$   
C)  $\frac{1}{3}$   
D)  $\frac{1}{9}$



105. Three years ago, the ratio of the age of father to that of his son was 8 : 3. After 4 years, their ages will be in the ratio 11 : 5. What is the present age (in years) of the father?

A) 52  
B) 51  
C) 48  
D) 55

$$\begin{array}{r} F \\ 8-3 \\ 11:5 \end{array} \quad \begin{array}{r} S \\ 4 \\ 32 \\ 55 \end{array}$$

106. The area of a cardboard (in  $\text{cm}^2$ ) needed to make a closed box of size  $20 \text{ cm} \times 10 \text{ cm} \times 8 \text{ cm}$  will be:

A) 880  
B) 690  
C) 750  
D) 960

$$\begin{array}{r} F \\ 48 \\ 55 \end{array} \quad \begin{array}{r} S \\ 18 \\ 25 \end{array}$$

107. If 8 coins are tossed, what is the chance that one and only one will turn up Head?

A)  $1/16$   
B)  $1/32$   
C)  $3/35$   
D)  $3/32$

$$\frac{8}{16} = \frac{1}{2}$$

108. A is 120% of B and B is 65% of C. If the sum of A, B and C is 121.5, then the value of  $C - 2B + A$  is:

A) 14  
B) 35  
C) 24  
D) 39

$$\begin{array}{r} A \\ 78 \end{array} \quad \begin{array}{r} B \\ 65 \end{array} \quad \begin{array}{r} C \\ 100 \end{array}$$

109. The length of a wire (in cm) of 0.1 mm radius that can be drawn from melting a solid copper sphere of diameter 6 cm is:

A) 250000  
B) 360000  
C) 440000  
D) 810000

$$\begin{array}{r} 2 \times \frac{4}{3} \times \pi \times \left(\frac{6}{2}\right)^3 \\ 100 - 130 + 78 \\ 178 \\ -130 \\ 48 \end{array}$$

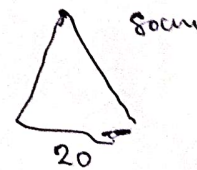
110. Six bells begin to toll together and toll, respectively, at intervals of 3, 4, 6, 7, 8 and 12 seconds. After how many seconds, will they toll together again?

A) 168  
B) 176  
C) 167  
D) 186

$$3 \times 2 \times 2 \times 7 \times 2 \times 2$$

111. The perimeter of an isosceles triangle is 80 cm. If the side that is not equal in length to any of the other two sides is 20 cm, find the length of each of the equal sides.

A) 25 cm  
B) 20 cm  
C) 40 cm  
D) 30 cm





112. A, B and C divide an amount of Rs. 10,500 amongst themselves in the ratio 5 : 7 : 9, respectively. If each one gets Rs. 500 more, then what will be the ratio of the amounts with A, B and C?

A) 5:7:9  
B) 3:4:5  
C) 7:9:11  
D) 5:6:7

$$\frac{525}{10500} \times$$

$$\frac{29}{29}$$

$$\frac{3}{4}$$

113. Of the three numbers, second is one-third of first and is also three-fourth of the third number. If the average of three numbers is 112, then what is the smallest number?

A) 63  
B) 45  
C) 84  
D) 189

A	B	C
3	1	1
3	3	4
9	3	4

114. A takes 3 hours more than B to walk 'd' km. If A doubles his speed, then he can make it in 1 hour less than B. How much time (in hours) does A require to walk 'd' km?

A) 5  
B) 9  
C) 8  
D) 4

$$\frac{567}{112} \times 3$$

$$\frac{16}{8}$$

$$\frac{112}{21} \times 3$$

$$\frac{63}{63}$$

115. 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.

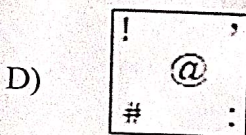
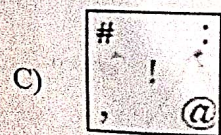
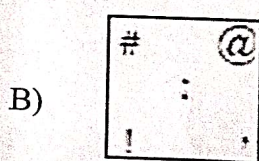
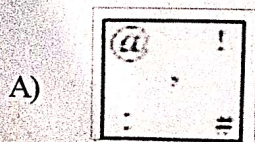
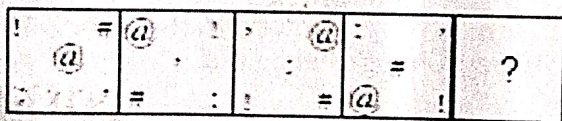
NUMBER : UNNYRE :: MOTHER : OMGSRE :: FINGER : ?

A) IFDHRE  
B) IFGNRE  
C) IFMTRE  
D) IFTMRE

$$A = 4 + 3 = 7$$

$$B = x$$

116. Select the figure that will replace the question mark (?) in the following figure series.



(Set - B)



117. Which of the following numbers will replace the question mark (?) in the given series?  
19, 38, 35, ?, 135, 810

A) 146  
B) 142  
C) 137  
D) 140



118. Pointing to a lady in a photograph, Vijay said, "Her sister's mother is the sister of my father's daughter." How is the lady related to Vijay?


A) Mother  
B) Sister's daughter  
C) Daughter  
D) Sister

119. In a certain code language, 'ADVISORY' is written as 'BFYMRMOU', and 'CHAMPION' is written as 'DJDQOGLJ'. How will 'DESIGNER' be written in that language?

A) EGVNFLCN  
B) EGUMFMCN  
C) EGVMFLBN  
D) EGVNFLBN

120. Select the Venn diagram that best represents the relationship between the following classes.  
Doctors, Fathers, Mothers

A)   
C) 

B)   
D) 