

## Instructions

- Each Question (01 to 20) contains 4 options out of which only one is correct.
- Each question carries +4 marks for correct answer and -1 mark for wrong answer.
- Time allotted: 1 Hour

1. A helicopter travels some distance at a speed of 260 kmph in 4 hours. To cover the same distance in 1.25 hour, it must travel at a speed of:

**A.** 823 kmph

**B.** 825 kmph

**C.** 493 kmph

**D.** 686 kmph

2. The sum of local and face value of 9 in 6492305.

**A.** 18

**B.** 6492314

**C.** 90009

**D.** 6492309

3. Velocity of the boat with respect to river is  $10 \text{ m/s}$ . It passes the river and reaches opposite shore at point X. If the velocity of the river is  $3 \text{ m/s}$ , find distance between A and X.

**A.**  $66 \text{ m}$

**B.**  $40 \text{ m}$

**C.**  $32 \text{ m}$

**D.**  $33 \text{ m}$

4. Rahul is 1.6 m tall and 203 away from a tower. His eye makes an angle of elevation of  $30^\circ$  to the top of the tower. The height of the tower is:

**A.** 21.6 m

**B.** 23.2 m

**C.** 24.72 m

**D.** 25 m

5. As we all know, running between the wickets for MS Dhoni is one of the fastest. In this match Dhoni Scores 155 runs which included 8 boundaries and 8 sixes. What percent of Dhoni's total score did he make by running between the wickets

**A.** 46%

**B.** 50.01%

**C.** 39%

**D.** 50%

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7. Coffee Powder worth Rs. 120 per kg and Rs. 160 per kg are mixed with a third variety in the ratio 1: 2: 5. If the mixture is worth Rs. 200 per kg, the price of the third variety per kg will be:

**A.** 224

**B.** 218

**C.** 232

**D.** 228



8. A firm increased the Annual rate of Simple interest from 5% to 7.5%. Then the increase in investment noticed was 1250 INR. Then, the principle amount was:

**A.** Rs 45000

**B.** Rs 50000

**C.** Rs 5000

**D.** Rs 60000

9. The ages of Ram and Shyaam are in the ratio 5:1. Fifteen years hence, the ratio will be 5:4. Their present ages are:
- A.** 5yrs, 1yrs
  - B.** 75 yrs, 15yrs
  - C.** 35 yrs, 7 yrs
  - D.** 10yrs, 2yrs

10. If  $m$  and  $n$  are whole numbers such that  $m^{n+1} = 169$ , then the value of  $(m - 1)^{n+2}$  is

**A.** 1

**B.** 13

**C.** 169

**D.** 1728

11. Pointing to me, Seema says that I am the only daughter of her Grandfather's niece. How am I related to Seema?

**A.** Aunt

**B.** Mother

**C.** Cousin

**D.** Sister

12. In following question, a number series is given with one term missing. Choose the correct alternative that will same pattern and fill in the blank spaces. 1, 6, 15, ? , 45, 66, 91

**A.** 25

**B.** 26

**C.** 27

**D.** 28

13. Four rabbits are chained at four corners of a square plot of side 55 metres so that they just cannot reach one another. The area left ungrazed is:

**A.**  $593.66 \text{ m}^2$

**B.**  $650.38 \text{ m}^2$

**C.**  $725.80 \text{ m}^2$

**D.**  $877.30 \text{ m}^2$

14. In a school, four bells ring at an interval of 21, 8, 6 and 37 seconds. They all toll together when the clock strikes 2:00 am. What must be the time on the clock when they toll together again?

A. 3:42

**B. 3:50**

C. 2:43

D. 3:43

15. A card is drawn from a pack of 52 cards. The probability of getting a jack of club or a queen of heart is:

A.  $1/13$

**B.  $2/13$**

C.  $1/26$

D.  $1/52$



16. DEF, DEFF, DEEF, \_\_\_\_\_, DDEF, DDEFF

A. DEEFF

**B. DEEF**

C. DDEEFF

**D. DDEFF**

17. Pipes A and B can together fill an empty tank in 6 hours Pipes B and C can together fill it in 10 hours while Pipes A and C take 8 hours How much time will it take to fill the tank if all pipes A, B and C are opened simultaneously?

A.  $5\frac{5}{11}$  hrs

B.  $10\frac{10}{11}$  hrs

C.  $5\frac{5}{47}$  hrs

D.  $10\frac{10}{47}$  hrs

18. A person sold a stove for Rs. 423 and incurred a loss of 6%. At what price would it be sold so as to earn a profit of 8%?

A. Rs 525

B. Rs 500

C. Rs. 490

D. Rs. 486

19. P and Q together earn Rs. 188 per day. Q and R together earn Rs. 152 per day. P, Q and R when working together earn Rs. 300 per day. How much does Q earn daily?

A. Rs 43

B. Rs 56

C. Rs. 45

D. Rs. 40

20. 8 men can paint a house in 12 days. However, 12 women can paint the same house in 16 days. 16 men started painting the house. After 3 days of painting, 10 men were replaced by 4 women. Now how many days will they take to complete the remaining painting?

A. 8 Days

B. 10 Days

C. 12 Days

D. 6 Days