



### SECTION 1 : QUANTITATIVE APTITUDE

1. Find the greatest 5-digit number, which is a multiple of 12.

- A. 99920
- B. 99832
- C. 99948
- D. None of these

Ans: C

2. A number when divided by 192 gives a remainder 54. When the same number is divided by 24, what would be the remainder?

- A.12
- B.2
- C.3
- D.6

Ans: D

3. The incomes of X and Y are in the ratio of 6:4 and their expenditures are in the ratio of 10:6. If each of them saves Rs. 3000, then, X's income can be,

- A. Rs. 4000
- B. Rs. 2500
- C. Rs. 1500
- D. Rs. 6000

Ans: D

4. A fruit seller had some Apples. He sells 35% of them and still has 260 Apples. Originally, he had:

- A. 285
- B. 350
- C. 400
- D. 600

Ans: C

5. Ankith had \$ 3000 left after spending 70% of the money he took for shopping. How much money did he take along with him?

- A. 10000



B. 8000

C. 7500

D. 6500

Ans: A

6. Which one of the following numbers can be removed from the set  $S = \{0, 2, 4, 5, 9\}$  without changing the average of set  $S$ ?

A. 0

B. 2

C. 4

D. 5

Ans: C

7. In a transaction, the profit percentage is 60% of the cost. If the cost further increases by 40% but the selling price remains the same, how much is the decrease in profit percentage?

A.  $14 \frac{2}{7}\%$

B.  $12 \frac{2}{7}\%$

C.  $17 \frac{2}{7}\%$

D.  $15 \frac{3}{7}\%$

Ans:A

8. A real estate agent sells two sites for Rs. 28000 each. On one he gains 18% and on the other he loses 18%. What is his loss or gain percent?

A. 5.24 % gain

B. 5.24% loss

C. No profit no loss

D. 4% loss

Ans: B

9. Six years ago, the father's age was four times the age of his son. The total of the ages of the father and the son after five years will be 67 years. What is the son's age at present?

A. 13 years

B. 16 years



C. 15 years

D. None of these

Ans: C

10. A, B, C and D enter into partnership. A subscribes  $\frac{1}{5}$  of the capital B invests  $\frac{1}{3}$ , C invests  $\frac{2}{5}$  and D the rest. How much share did B get in a profit of Rs.9123?

A. Rs.3151

B. Rs.2981

C. Rs.3322

D. Rs.3041

Ans: D

11. A person crosses a 900 metre long street in 6 minutes. What is his speed in km per hour?

A. 8.2

B. 8.6

C. 9.0

D. 9.2

Ans: C

12. Walking  $\frac{4}{5}$ th of his usual speed, a man is 18 minutes too late. What is the usual time taken by him to cover that distance?

A. 1 hr 12 min

B. 1 hr

C. 1 hr 10 min

D. 1 hr 45 min

Ans: A

13. A certain train is 342 m long. It passes a man, running at 4 km/hr in the same direction in which the train is going. It takes the train 5 seconds to cross the man completely. Then the speed of the train is:

A. 28 km/h

B. 23 km/h

C. 35 km/h



D. 55 km/h

Ans: B

14. A man rows downstream 44 km and 16 km upstream. If he takes 7 hours to cover each distance, then the velocity (in kmph. of the current is:

A. 2

B.  $2\frac{1}{2}$ .

C.  $1\frac{1}{2}$ .

D. 4

Ans: B

15. A can finish a work in 16 days and B can do the same work in half the time taken by A. Then, working together, what part of the same work they can finish in a day?

A.  $\frac{3}{16}$

B.  $\frac{1}{19}$

C.  $\frac{2}{15}$

D.  $\frac{2}{17}$

Ans:

16. A can do a piece of work in 6 days and B can do it in 18 days and C can do it 36 days. They started the work together and A leaves after 2 days and B leaves after 4 days from the beginning. How long will work last?

A.  $8\frac{2}{3}$  days

B.  $9\frac{2}{3}$  days

C. 12 days

D. 10 days

Ans: C

17. Two pipes A and B can separately fill a tank in 12 minutes and 15 minutes respectively. Both the pipes are opened together but 4 minutes after the start the pipe A is turned off. How much time will it take to fill the tank?

A. 9 min



B. 10 min

C. 11 min

D. 12 min

Ans: B

18. In how many different ways can the letters of the word 'BASKET' be arranged so that the vowels always come together?

A. 610

B. 240

C. 125

D. 320

Ans: B

19. A question paper has two parts A and B, each containing 8 questions. If a student needs to choose 6 from part A and 4 from part B, in how many ways can he do that?

A. 2050

B. 1880

C. 1960

D. 1990

Ans: C

20. An urn contains 12 red, 8 blue and 4 green marbles. If 2 marbles are picked at random, what is the probability that both are red?

A.  $11/46$

B.  $5/26$

C.  $5/46$

D.  $7/26$

Ans: A

21. Tickets numbered 1 to 30 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 4 or 6?

A.  $1/2$

B.  $1/3$

C.  $9/20$

D.  $8/15$



Ans: B

22. Rupesh borrows some money at the rate of 7% p.a. for the first two years. He borrows the money at the rate of 8% p.a. for the next three years, and at the rate of 15% per annum for the period beyond five years. If he pays a total interest of Rs. 19600 at the end of nine years, how much money did he borrow?

- A. Rs. 20000
- B. Rs. 21000
- C. Rs. 37000
- D. Rs. 63000

Ans: A

23. The difference between simple and compound interests compounded annually on a certain sum of money for 2 years at 5% per annum is Re. 1. The sum is:

- A. Rs.400
- B. Rs.445
- C. Rs.325
- D. Rs.625

Ans: A

24. Find the ratio in which rice sold at Rs. 8.20 a kg must be mixed with rice at Rs. 6.70 a kg to produce a mixture worth Rs. 7.30 a kg.

- A. 1: 3
- B. 2: 3
- C. 3: 4
- D. 4: 5

Ans: B

25. The perimeter of an equilateral  $\triangle$  is  $84\sqrt{3}$ metres. Find its height.

- A. 126 metres
- B. 155 metres
- C. 140 metres
- D. 136 metres



Ans: A

### SECTION 2 : LOGICAL REASONING

1. In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died. How is E related to C?

- A. Sister
- B. Daughter
- C. Cousin
- D. Mother

Ans: B

2. One morning after sunrise, Rahul was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?

- A. East
- B. West
- C. South
- D. Data is inadequate

Ans: C

3. Find the odd man out : 41, 43, 47, 53, 61, 71, 73, 81

- A. 41
- B. 71
- C. 81
- D. 61

Ans: C

4. At what time between 5 and 6 o' clock are the hands of a 3 minutes apart ?

- A. 24min
- B. 12min
- C. 13min
- D. 14min



Ans: A

5. Statements: Some A and B. All B are C. No C is D. All D are E.

Conclusions:

I. Some C are E is a possibility.

II. Some B are D is a possibility.

A. only I follows

B. only II follows

C. either I or II follows

D. neither I nor II follow

E. both I and II follow

Ans: A

6. Find the next number in the given series? 118, 166, 190, 202, 208, ?

A. 211

B. 222

C. 233

D. 244

Ans: A

7. Tennis is to Sport as Chemistry is to

A. Biology

B. Science

C. Physics

D. Subject

Ans: B

8. In a certain code, '247' means 'spread red carpet' ; '256' means 'dust one carpet' and '234' means 'one red carpet'. Which digit in that code means 'dust' ?

A. 2

B. 3

C. 5

D. 6

Ans: C





9. If in a certain code language PREMONITION is written as 68530492904, how will the word MONITOR be written in that code language?

- A. 1234567
- B. 3049208
- C. 3029408
- D. 3049258

Ans: B

10. Today is Monday. After 61 days, it will be :

- A. Tuesday
- B. Monday
- C. Saturday
- D. Sunday

Ans: C

11. 125,80,45,20,?

- A. 5
- B. 8
- C. 10
- D. 12

Ans: A

12. One morning Akash and Abhi were talking to each other face to face at a crossing. If Abhi's shadow was exactly to the left of Akash, which direction was Akash facing?

- A. East
- B. West
- C. North
- D. South

Ans: C

13. 3, 15, ?, 63, 99, 143

- A. 27



B. 35

C. 45

D.54

Ans: B

14. If E = 5 and READ is coded as 7, then what is the code of 'DEAR' ?

A. 6

B. 7

C. 8

D. 9

Ans: B

15. Sagar ranks seventh from the top and twenty eighth from the bottom in a class. How many students are there in the class?

A. 34

B. 36

C. 33

D. 30

Ans: A

P, Q, R, S, T, U and V are sitting in a row facing North :

U is to the immediate right of T.

T is 4<sup>th</sup> to the right of V.

R is the neighbour of Q and S.

Person who is third to the left of S is at one of the ends.

16. Who are to the left of R ?

A. Only Q

B. V,S and Q

C. Q and V

D. S,T,U and P

Ans: C



17. Which of the following statement is not true ?

- A. T is to the immediate left of S
- B. P is at one of the ends
- C. V is to the immediate left of Q
- D. U is second to the right of S

Ans: A

18. Who are the neighbours of Q?

- A. R and S
- B. R and V
- C. P and S
- D. T and U

Ans: B

19. What is the position of P?

- A. Between T and S
- B. Extreme left
- C. Centre
- D. Extreme right

Ans: D

20. What is the position of V?

- A. Between T and S
- B. Extreme left
- C. Centre
- D. Extreme right

Ans: B



21. Ramesh walked 20 m towards north. Then he turned right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Finally he turns left and walks 15 m. In which direction and how many metres is he from the starting position?

- A. 15m west
- B. 30m East
- C. 30m West
- D. 45m East

Ans: D

22. When is Manoj birthday this year ?

I. It is between January 13 and 15, January 13 being Wednesday.

II. It is not on Friday.

- A. If the data in statement I alone are sufficient to answer the question
- B. If the data in statement II alone are sufficient answer the question
- C. If the data either in I or II alone are sufficient to answer the question;
- D. If the data even in both the statements together are not sufficient to answer the question

Ans: A

23. 4, -8, 16, -32, 64, ?

- A. 128
- B. -128
- C. 192
- D. -192

Ans: B

24. Mark the odd man out of the series? 1 6 27 124 650

- A. 27
- B. 650
- C. 6
- D. 124



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## *Sample Placement Papers*

Ans: B

25. 'BF' is related to 'HL' in the same way as 'EI' is related to

A. KN

B. KO

C. JO

D. JN

Ans: B