



SECTION 1 : QUANTITATIVE APTITUDE

1. A number when divided by a divisor leaves a remainder of 48. When twice the original number is divided by the same divisor, the remainder is 11. What is the value of the divisor?

- A.13
- B.59
- C.85
- D.67

Ans: C

2. Find the remainder when 67^{99} divided by 7?

- A.1
- B.2
- C.0
- D.3

Ans: A

3. After an increase of 9 in both numerator as well as the denominator, the fraction changes to $\frac{3}{4}$. What was the original fraction?

- A. $\frac{5}{2}$
- B. $\frac{7}{9}$
- C. $\frac{3}{7}$
- D. $\frac{3}{8}$

Ans: C

4. A student erroneously multiplied a number by $\frac{4}{5}$ instead of $\frac{5}{4}$. What is the percentage error in the calculation?

- A. 21%
- B. 36%
- C. 73%
- D. 94%

Ans: B



5. If the price of petrol increases by 50 and Raj intends to spend only an additional 30 on petrol, by how much will he reduce the quantity of petrol purchased?

- A.10%
- B.12%
- C.13%
- D.15%

Ans: C

6. The distance between two stations A and B is 778 km. A train covers the journey from A to B at 80 km per hour and returns back to A with a uniform speed of 54 km per hour. Find the average speed of train during the whole journey.

- A. 60.3 km/hr
- B. 64.47 km/hr
- C. 57.5 km/hr
- D. 67.2 km/hr

Ans: B

7. A man bought two bicycles for Rs. 2500 each. If he sells one at a profit of 7%, then how much should he sell the other so that he makes a profit of 21% on the whole?

- A.3025
- B.3000
- C.2850
- D.3100

Ans: A

8. A tradesman marks his goods 20% above the cost price and allows his customers 9% reduction on their bills. What percent profit does he make?

- A. 14 %
- B. 10%
- C. 9.2%
- D. 12.5%

Ans: C



9. Sudheer got married 6 years ago. His present age is $\frac{6}{5}$ times his age at the time of his marriage. Rajan's sister was 10 years younger to him at the time of his marriage. The age of Rajan's sister is:

- A) 32 years
- B) 26 years
- C) 28 years
- D) 20 years

Ans: B

10. A starts business with a capital of Rs.1600 B and C join with some investments after 4 and 6 months respectively. If the end of a year, the profit is divided in the ratio 2:3:5 respectively. What is B's investment in the business?

- A. Rs.2400
- B. Rs.1800
- C. Rs.3600
- D. Rs.6000

Ans: C

11. A man covered a certain distance at some speed. If he had moved 2 kmph faster, he would have taken 40 minutes less. If he had moved 3 kmph slower, he would have taken 40 minutes more. What is the distance in km?

- A. 40
- B. 38
- C. 45
- D. 42

Ans: A

12. In an aeroplane of 600 km, an aircraft was slowed down due to bad weather condition. Its average speed for the trip was reduced by 200 km/hr and the time of flight increased by 30minutes. What is the duration of the flight ?

- A. 2 hour
- B. $1\frac{1}{2}$ hour
- C. $\frac{1}{2}$ hour
- D. 1 hour

Ans: D



13. Two trains are moving in opposite directions at a speed of 40 km/hr and 50 km/hr respectively. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is:

- A) 76 s
- B) 48 s
- C) 52 s
- D) 80 s

Ans: D

14. The motor boat whose speed is 20 km/hr in still water, will go 40 km downstream and come back in a total of 4 hours. The speed of this stream (in km/hr) will be:

- A) 45
- B) 54
- C) 60
- D) 10

Ans: C

15. Six men, four women and six children can complete a work in seven days. A woman does double the work a man does and a child does half the work a man does. How many women alone can complete this work in 7 days?

- A) 7
- B) 8
- C) 12
- D) None of these

Ans: B

16. A, B and C can do a work in 3, 4 and 6 days respectively doing the work together and get a payment of Rs.2700. What is B's share?

- A. Rs.600
- B. Rs.900
- C. Rs.300
- D. Rs.500

Ans: B



17. A cistern is normally filled in 4 hours but takes two hours longer to fill because of a leak in its bottom. If the cistern is full, the leak will empty it in?

- A. 16 hrs
- B. 12 hrs
- C. 40 hrs
- D. 25 hrs

Ans: B

18. In how many ways can the letters of the word 'READ' be arranged?

- A. None of these
- B. 24
- C. 36
- D. 120

Ans: B

19. How many triangles can be formed by joining the vertices of an Hexagon?

- A. 56
- B. 28
- C. 20
- D. 35

Ans: C

20. A card is drawn from a pack of 52 cards. The card is drawn at random. What is the probability that it is neither a club nor a Queen?

- A. $\frac{4}{13}$
- B. $\frac{2}{13}$
- C. $\frac{6}{13}$
- D. $\frac{9}{13}$

Ans: A



21. A word consists of 9 letters; 6 consonants and 3 vowels. Three letters are chosen at random. What is the probability that more than one vowel will be selected ?

- A) $13/42$
- B) $17/42$
- C) $19/84$
- D) $17/84$

Ans: C

22. How much time will it take for an amount of Rs. 700 to yield Rs. 42 as interest at 2% per annum of simple interest?

- A. 2 years
- B. 3 years
- C. 1 year
- D. 4 years

Ans: B

23. At what rate of compound interest per annum will a sum of Rs. 1600 become Rs. 1936 in 2 years?

- A. 4%
- B. 5%
- C. 10%
- D. 8%

Ans: C

24. Two vessels A and B contains juice and water mixed in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel c containing juice and water in the ratio 4:3?

- A. 1 : 14
- B. 13 : 9
- C. 7 : 9
- D. 3 : 13

Ans: D



25. Which of the following statements is not correct?

- A) $\log_{10}10 = 1$
- B) $\log(4 + 3) = \log(4 \times 3)$
- C) $\log_{10}1 = 0$
- D) $\log(1 + 2 + 3) = \log 1 + \log 2 + \log 3$

Ans: B

SECTION 2 : LOGICAL REASONING

1. Find the next number in the series given 18, 90, 450, 2250, ?

- A. 11250
- B. 4520
- C. 6520
- D. 33457

Ans: A

2. If FRIEND is coded as HUMJTK, how is CANDLE written in that code ?

- A. EDRIRL
- B. DEQJQM
- C. DCQHQB
- D. ESJFME

Ans: A

3. 7 9 19 18 31 29 .Find the odd number in the given Number Series?

- A. 7
- B. 29
- C. 19
- D. 18

Ans: B

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

Conclusions:

- I. Some A are C is a possibility.
- II. All E are B 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: E

5. How many times are the hands of a clock at right angle in a day?

- A. 44
- B. 54
- C. 64
- D. 22

Ans: A

6. Ravi said, "This girl is the wife of the grandson of my mother." Who is Ravi to the girl ?

- A. Father
- B. Grandfather
- C. Husband
- D. Father-in-law

Ans: D

7. I am facing south. I turn right and walk 20 m. Then I turn right again and walk 10m. Then I turn left and walk 10m and then turning right walk 20m. Then I turn right again and walk 60m. In which direction am I from the starting point?

- A. North
- B. North-west
- C. North-East
- D. East

Ans: C

8. Grapes : Wine :: Squid : ?

- A. Ocean
- B. Calamari
- C. Salad
- D. Fishing

Ans: B



9. According to a military code, SYSTEM is SYSMET and NEARER is AENRER. What is the code for FRACTION ?

- A. CARFTINO
- B. CARFTION
- C. ARFCNOIT
- D. CARFNOIT

Ans: D

10. What was the day of the week on 28th May, 2006?

- A. Sunday
- B. Friday
- C. Wednesday
- D. Tuesday

Ans: A

11. Sameer 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

12. Rakesh put his timepiece on the table in such a way that at 6 P.M. hour hand points to North. In which direction the minute hand will point at 9.15 P.M. ?

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

Ans: D

13. 20, 19, 17, ?, 10, 5

- A. 14
- B. 15



C. 13
D. 11

Ans: A

14. Find the odd man out. 253, 136, 352, 324, 631, 244

- A. 324
- B. 136
- C. 352
- D. 631

Ans: A

15. One evening before sunset Renu and Hari were talking to each other face to face. If Hari's shadow was exactly to the right of Hari, which direction was Renu facing?

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

Ans: B

16. Read the arrangement carefully and give the answer of following questions ?

K\$23DBE8HM4@5JF4%K1+WR#AA*415

.How many such symbols are there which is not immediately preceded by a letter but immediately followed by a number ?

- A. 1
- B. 2
- C. 3
- D. 0

Ans: A

17. Pointing to a woman, Abhi said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhi?

- A. Sister



- B. Grandmother
- C. Mother
- D. Mother-in-law

Ans: D

18. 2, 12, 36, 80, 150, ?

- A. 250
- B. 252
- C. 200
- D. 270

Ans: B

19. On which day in January, Sunil left for Africa ?

- I. Sunil has so far spent 10 years in Africa.
 - II. Sunil friend Anil left for Germany on 15th February and joined Sunil 20 days after Sunil arrival.
- 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: D

Five girls are sitting on a bench to be photographed. Siri is to the left of Renu and to the right of Bhavani. Megha is to the right of Renu. Riya is between Renu and Megha.

20. Who is sitting immediate right to Riya ?

- A.Siri
- B.Bhavani
- C.Megha
- D.Renu

Ans: C

21. Who is in the middle of the photograph ?

- A. Siri
- B. Bhavani



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C. Megha

D. Renu

Ans: D

22. Who is second from the right ?

A. Siri

B. Bhavani

C. Riya

D. Renu

Ans: C

23. Who is second from the left in photograph ?

A. Siri

B. Bhavani

C. Megha

D. Renu

Ans: A

24. Who is sitting immediate right to Megha ?

A. Siri

B. Bhavani

C. No one

D. Renu

Ans: C

25. 48, 24, 96, 48, 192, ?

A. 76

B. 90

C. 98

D. 96

Ans: D



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