



SECTION 1 : QUANTITATIVE APTITUDE

1. Find the remainder when 256 is divided by 31?

- A. 1
- B. 2
- C. 8
- D. 18

Ans: C

2. The product of two numbers is 9025 and the quotient, when the larger one is divided by the smaller, is 25. The sum of the numbers is:

- A. 385
- B. 362
- C. 494
- D. 425

Ans: C

3. Two numbers are respectively 30% and 70% more than a third number. The ratio of the two numbers is:

- A. 11:12
- B. 12:11
- C. 13 : 15
- D. 13 : 17

Ans: D

4. The total population of a village increased from 15,000 to 25,500 in a decade. The average percentage increase of population per year of that village is:

- A. 7%
- B. 2.5%
- C. 9%



D. 6%

Ans: A

5. The price of an item changed from \$150 to \$130. Then later the price decreased again from \$130 to \$100. Which of the two decreases was larger in percentage term?

A. case-2

B. case-1

C. Both are equal

D. None

Ans: A

6. Average cost of 2 apples and 3 mangoes is Rs. 16. The average cost of 4 apples and 3 mangoes is Rs. 20. Find the total cost of 12 apples and 12 mangoes.

A. 104

B. 208

C. 440

D. 324

Ans: C

7. If the loss incurred in a transaction is $\frac{2}{3}$ th of the selling price, find the loss percent.

A. 37

B. 38

C. 37.75

D. 40

Ans: D

8. By selling 25 lemons for Rs 20, a man loses 20%. How many should he sell for Rs 36 to gain 20% in the transaction?



A) 16

B) 30

C) 20

D) 22

Ans: B

9. Suman is 50 years old and Rahul is 40 years old. How many years ago was the ratio of their ages 2:3?

a. 10 years

b. 50 years

c. 70 years

d. 90 years

Ans: C

10. A, B and C are partners in a business. Their capitals are respectively, Rs.2000, Rs.3000 and Rs.4000. A gets 40% of the total profit for managing the business. The remaining profit is divided among three in the ratio of their capitals. In the end of the year, the profit of A is Rs.300 more than the sum of the profits of B and C. Find the total profit.

A. Rs.4500

B. Rs.5200

C. Rs.1800

D. Rs.3000

Ans: D

11. In covering a distance of 60 km, Arun takes 4 hours more than Anil. If Arun doubles his speed, then he would take 2 hour less than Anil. What is Arun's speed?

A. 8 kmph

B. 5 kmph

C. 4 kmph

D. 7 kmph

Ans: B

12. The speed of a bus increases by 4 kmph after every one hour. If the distance travelled in the first one hour was 55 km, what was the total distance travelled in 12 hours?



- A. 422 km
 - B. 552 km
 - C. 924 km
 - D. 492 km
- Ans: C

13. The distance between two cities A and B is 440 km. A train starts from A at 9 a.m. and travels towards B at 30 km/hr. Another train starts from B at 10 a.m. and travels towards A at 35 km/hr. At what time will they meet?

- A. 4.30 p.m.
 - B. 10:6 a.m.
 - C. 12 noon
 - D. 11 p.m.
- Ans: A

14. A man rows to a place 24 km distance and back in 7 hours. The man can row 6 km with the stream in the same exact time as he row 5 km against the stream in. The rate of the stream is:

- A) 1 km/hr
 - B) 0.5 km/hr
 - C) 0.8 km/hr
 - D) 0.6km/hr
- Ans: D

15. A can do a piece of work in 15 days. He works at it for 10 days and then B finishes it in 10 days. In what time can A and B together it?

- A. 14 days
 - B. 13 days
 - C. 10 days
 - D. 16 days
- Ans: C

16. Arun is twice as good a workman as Bobi and they took 14 days together to do the work Bobi alone can do it in.

- A. 52 days
 - B. 42 days
 - C. 21 days
 - D. 27 days
- Ans: B

17. pipes P and Q would fill a cistern 12 and 16 minutes respectively. Both pipes being opened, find when the first pipe must be turned off so that the cistern may be just filled in 8 minutes?

- A. after 12 mins
 - B. after 6 mins
 - C. after 8 mins
 - D. after 10 mins
- Ans: B

18. How many 3 digit numbers can be formed from the digits 4, 5, 6, 7 and 8 which are divisible by 5 and none of the digits is repeated?

- A. 20
 - B. 16
 - C. 12
 - D. 24
- Ans: C



19. In a birthday party, every person shakes hand with every other person. If there was a total of 105 handshakes in the party, how many persons were present in the party?

- A. 15
 - B. 12
 - C. 21
 - D. 25
- Ans: A

20. Out of 13 applicants 8 boys and 5 girls. Two persons are to be selected for the job. Find the probability that at least one of the selected persons will be a girl.

- A. $\frac{25}{39}$
- B. $\frac{25}{34}$
- C. $\frac{19}{34}$
- D. $\frac{21}{34}$

Ans: A

21. A box contains 8 bulbs, of which just 2 are defective. If a random sample of four bulbs is drawn, find the probability that the sample contains exactly one defective bulb.

- A) $\frac{5}{7}$
- B) $\frac{4}{7}$
- C) $\frac{3}{7}$
- D) $\frac{1}{7}$

Ans: B

22. Mr. Thomas invested an amount of Rs. 12000 divided in two different schemes A and B at the simple interest rate of 16% p.a. and 12% p.a. respectively. If the total amount of simple interest earned in 2 years be Rs. 3502, what was the amount invested in Scheme B?

- A. Rs. 6784
- B. Rs. 5678
- C. Rs. 4225
- D. Rs. 3987

Ans: C

23. The compound interest on a certain sum for 2 years at 20% per annum is Rs. 1050. The simple interest on the same sum for double the time at half the rate percent per annum is:

- A. Rs. 545.24
- B. Rs. 400.76
- C. Rs. 954.52
- D. Rs. 600

Ans: C

24. How much water must be added to 30 litres of milk at 2.5 litres for Rs. 20 So as to have a mixture worth Rs.4 a litre

- A. 10 litres
- B. 12 litres
- C. 15 litres
- D. 18 litres

Ans: C

25. If $\log_a(ab) = x$, then $\log_b(ab) = ?$

- A) $\frac{1}{x}$
- B) $\frac{x}{x+1}$
- C) $\frac{x}{1-x}$



D) $x/(x-1)$

Ans: D

SECTION 2 : LOGICAL REASONING

1. If A \$ B means A is the brother of B; A # B means A is the mother of B; A * B means A is the daughter of B in P # Q \$ R * S, who is the father?

A. R

B. S

C. Q

D. P

Ans: B

2. Satish starts from his house and takes two right turns and then one left turn. Now he is moving towards south. In which direction Satish started from his house?

A. South

B. West

C. East

D. North

Ans: C

3. Find the odd one out of the series ? 482,313, 362,383.551

A. 383

B. 482

C. 313

D. 551

Ans: A

4. Statements: All P are Q. No R is P. Some S are R. Some R are T.

Conclusions:

I. Some Q are not S.

II. Some T are not P.

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: B

5. At what angle are the hands of a clock inclined at 30 minutes past 8?

- A. 45°
- B. 85°
- C. 75°
- D. 95°

Ans: C

6. Find a pair that is similar to: 10 : 900

- A. 8:448
- B. 9:81
- C. 2:1008
- D. 10:456

Ans: A

7. 3, 12, 8, 19, 13, 32, 18, 42, 23, 52

- A. 19
- B. 43
- C. 32
- D. 45

Ans: A

8. If CALM is written as HEOO , YEAR may be written as

- A. DDER
- B. DTRE
- C. DIGH
- D. DIDT

Ans: A



9. In a certain code 'EASIER' is written as TGKUCG. How is CUTTER written in that code?

- A) TGVVWE
- B) TVVGWE
- C) TWVVGE
- D) TGWWVE

Ans: A

10. If the day before yesterday was Saturday, What day will fall on the day after tomorrow?

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

Ans: C

11. In what proportion would Raghu, Kiran and Akash distribute profit among them ?

- I. Raghu gets two-fifth of the profit.
 - II. Kiran and Akash have made 85% of the total investment.
- 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

In a certain code language, '5a,6b,7c' means 'Honesty is best';

'7c, 8a, 3b, 5a' means 'policy is not best' and

'8a, 4d, 6b, 3b' means 'Honesty does not work'.

12, Which of the following means 'policy' in that language ?

- A. 5a
- B. 7c



C. 3b

D. 8a

Ans: C

13. which of the following means 8a?

A. not

B. Honesty

C. Policy

D. is

Ans: A

14. Which of the following means 'is'?

A. 7c

B. 3a

C. 9a

D.8b

Ans: A

15. Find the Odd man out : Banana, Mango, Guava, Cashew

A. Banana,

B. Cashew

C. Mango

D. Guava

Ans: B

16. BAT: CDY:: BIG : ?

A. ANP

B. BAS

C. CLL



D. DGF

Ans: C

17. If U is the brother of V; V is the sister of W; and W is the father of X, how X is related to U?

- A. Brother
- B. Father
- C. Nephew
- D. Cannot be determined

Ans: D

18. How many times are the hands of a clock at right angles in a span of twenty four hours?

- A. 44 times
- B. 22 times
- C. 48 times
- D. 43 times

Ans: A

19. Statements: Most CPUs are keyboards. No keyboard is a Mouse. All Mouses are CPU.
Conclusion:

- I. Some keyboards are CPU
- II. All CPU's are Mouse
- III. No Mouse is a keyboard
- IV. Some Mouse are keyboard

- A. Only (1) conclusion follows
- B. Only (2) conclusion follows
- C. Only (1)&(3) follows
- D. Only (2)&(3) follows



Ans: C

20. A person moves North, then turns to his right and then again right and then finally go to left. In which direction is he moving now?

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

Ans: A

21. 1, 10, 9, 16, 25, 26, 49....Find out the wrong number

- A. 10
- B. 16
- C. 25
- D. 49

Ans: B

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

- A. 38
- B. 36
- C. 34
- D. 30

Ans: C

23. Ramesh 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. West
- C. South-East
- D. North

Ans: B



24. Find the odd man out?

- A. Square
- B. Cuboid
- C. Triangle
- D. Rectangle

Ans: B

25. In one and half hours, the minute hand of a clock rotates through an angle of

- A. 720°
- B. 600°
- C. 540°
- D. 650°

Ans: C