



### SECTION 1 : QUANTITATIVE APTITUDE

1. Find the smallest four digit number which is a multiple of 6.

- A. 1222
- B. 1080
- C. 1050
- D. None of these

Ans : C

2. Three silver coins of weight 1560gm, 1620gm and 1920gm are cut into small pieces, all of which have the equal weight. Each piece must be heavy as possible. If one such piece is shared by two persons, then how many persons are needed to give all the pieces of silver coins?

- A.286
- B.170
- C.143
- D.135

Ans : B

3. The students in three batches in school is in the ratio of 2:5:7. If 10 students in each batch are increased than the ratio changes to 3:5:8. The total number of students in the three batches before the increase was,

- A. 100
- B. 180
- C. 210
- D. 130

Ans : C

4. What percentage of numbers from 1 to 40 has 4 or 5 in the unit's digit?

- A. 12
- B. 30
- C. 20
- D. 22

Ans : C



5. A batsman scored 220 runs which included 6 boundaries and 10 sixes. What percent of his total score did he make by running between the wickets?

- A. 45%
- B. 61.81%
- C. 56.24%
- D. 55%

Ans : B

6. A grocer has a sale of Rs. 1456, Rs. 1324, Rs. 1232 and Rs. 1328 for 4 consecutive months. How much sale must he have in the fifth month so that he gets an average sale of Rs. 1325?

- A. Rs. 1291
- B. Rs. 1391
- C. Rs. 1285
- D. Rs. 1222

Ans : C

7. A man bought some toys at the rate of 8 for Rs. 40 and sold them at 10 for Rs. 80. Find his gain or loss percent.

- A. 60%
- B. 50%
- C. 55%
- D. 65%

Ans : A

8. If a retailer marks up his price by 40 % and then allows a 40 % discount, what is his percentage profit or loss?

- A. 34 % gain
- B. 44 % gain
- C. 44 % loss
- D. 28 % loss

Ans : C



9. Two years ago, Pavithra was four times as old as her daughter Sashi. Six years hence, Pavithra's age will exceed her daughter's age by 24 years. The ratio of the present ages of Pavithra and her daughter is:

- A. 9: 2
- B. 11: 3
- C. 13: 4
- D. 13: 4

Ans : C

10. A and B entered into a partnership investing Rs.1200 and Rs.2000 respectively. After 4 months C also joined the business with an investment of Rs.2500. What is the share of C in an annual profit of Rs.73000?

- A. Rs.28000
- B. Rs.35000
- C. Rs.17000
- D. Rs.25000

Ans : D

11. Excluding stoppages, the speed of a bus is 72 kmph and including stoppages, it is 63 kmph. For how many minutes does the bus stop per hour?

- A. 12
- B. 7.5
- C. 10
- D. 9.5

Ans : B

12. A man goes to his office from his house at a speed of 6 km/hr and returns at a speed of 3 km/hr. If he takes 4 hours in going and coming, what is the distance between his house and office?

- A. 3 km
- B. 4 km
- C. 5 km



D. 8 km

Ans : D

13. Two trains running in opposite directions cross a man standing on the platform in 23 seconds and 16 seconds respectively and they cross each other in 20 seconds. The ratio of their speeds is:

A. 2: 3

B. 4:3

C. 1:3

D. 3:1

Ans : B

14. A certain boat covers a distance of 18 km in 2 hours downstream while covering the same distance upstream, it takes 6 hours. What is the speed of the boat in still water?

A. 4 km/hr

B. 6 km/hr

C. 8 km/hr

D. None of these

Ans : B

15. A tyre has two punctures. The first puncture alone would have made the tyre flat in 8 minutes and the second alone would have done it in 12 minutes. If air leaks out at a constant rate, how long does it take both the punctures together to make it flat?

A. 3.2

B. 4.8

C. 5.2

D. 4.2

Ans : B

16. A can do a piece of work in 9 days and B in 15 days. They began the work together but 5 days before the completion of the work, A leaves. The work was completed in?

A. 15/4 days

B. 10 days

C. 15 days



D. 11  $\frac{3}{7}$  days

Ans : A

17. A cistern has a leak which would empty the cistern in 30 minutes. A tap is turned on which admits 4 liters a minute into the cistern, and it is emptied in 35 minutes. How many liters does the cistern hold?

A. 480 liters

B. 840 liters

C. 720 liters

D. 800 liters

Ans : B

18. How many 3-letter words with or without meaning, can be formed out of the letters of the word, 'KITCHEN', if repetition of letters is not allowed?

A. 210

B. 420

C. 540

D. None of these

Ans : A

19. In how many different ways can 6 girls and 6 boys form a circle such that the boys and the girls alternate?

A. 28800

B. 14000

C. 82000

D. 86400

Ans : D

20. A four-digit number is formed by using digits 1, 2, 3, 4 and 5 without repetition. What is the probability that the number is divisible by 5?

A.  $\frac{1}{5}$

B.  $\frac{5}{6}$



- C. 4/5
- D. None of these

Ans : A

21. What is the probability of getting 53 Fridays in a leap year?

- A. 1/7
- B. 3/7
- C. 2/7
- D. 1

Ans : C

22. The simple interest on a certain sum of money for 3 years at 15% per annum is Rs. 50 less than the simple interest on the same sum for 2 years at 10% per annum. Find the sum.

- A. Rs. 250
- B. Rs. 366
- C. Rs. 200
- D. Rs. 300

Ans : C

23. The difference between compound interest and simple interest on an amount of Rs. 15,000 for 2 years is Rs. 96. What is the rate of interest per annum

- A. 9%
- B. 12%
- C. 8%
- D. 6%

Ans : C

24. A 25 litre mixture of milk and water contains milk and water in the ratio 3 : 2. 10 litres of the mixture is removed and replaced with pure milk . What is the ratio of milk and water in the resultant mixture?

- A. 17 : 3
- B. 19 : 6



C.3 : 17

D.5 : 3

Ans : B

25. Four equal sized maximum circular plates are cut off from a square paper sheet of area 1024 cm<sup>2</sup>. The circumference of each plate is:

- A.  $16\pi$  cm
- B.  $14\pi$  cm
- C.  $26\pi$  cm
- D.  $18\pi$  cm

Ans : A

### SECTION 2 : LOGICAL REASONING

1. 3, 6, 17.5, 64.75, ?

- A. 304.587
- B. 295.875
- C. 345.908
- D. 234.876

Ans : A

2. Find the odd one out ? Hawk , Parrot , Owl , Eagle

- A. Parrot
- B. Owl
- C. Hawk
- D. Eagle

Ans : A

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

Conclusions:

- I. Some D are not C.
  - II. Some E are A 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 : B

4. Find the Odd one out of the given series? 6, 15, 35, 77, 165, 221
- A. 221
  - B. 165
  - C. 15
  - D. 35

Ans : B

5. A clock is set right at 5 a.m. The clock loses 16 minutes in 24 hours. What will be the true time when the clock indicates 10 p.m. on 4th day?
- A. 11pm
  - B. 12pm
  - C. 1pm
  - D. 2pm

Ans : A

6. Showing the man receiving the prize, Saroj said, "He is the brother of my uncle's daughter." Who is the man to Saroj?
- A. Son
  - B. Cousin
  - C. Nephew
  - D. Brother-in-law

Ans : B

7. Find the next number in the given number sequence 200, 200, 100, 300, 75, ?
- A. 140
  - B. 175
  - C. 156





D. 375

Ans : D

8. Akhil started walking positioning his back towards the sun. After some time, he turned left, then turned right and towards the left again. In which direction is he going now?
- A. North or South
  - B. North or West
  - C. East or West
  - D. South or West

Ans : A

9. In a certain code language CONCENTRATION is written as QQJGZIGQGDMLX. How will NITRIFICATION be written in that code language?
- A. QQJGZXRIKSGRM
  - B. QQJGYXRIKSGRM
  - C. QQJGZXRIKSGRN
  - D. QQJGZRIKSGSM

Ans : A

10. What was the day of the week on, 16th July, 1776?
- A. Tuesday
  - B. Wednesday
  - C. Saturday
  - D. Monday

Ans : A

11. Six friends are sitting in a circle and are facing the centre of the circle. Anjali is between Bhavana and Chandu. Daya is between Esha and Fara. Bhavana and Esha are opposite to each other

- A. Who is sitting right to Bhavana ?
- B. Anjali
- C. Chandu
- D. Esha

E. Fara

Ans : E

12. Who is just right to Chandu ?

- A. Anjali
- B. Chandu
- C. Esha
- D. Fara

Ans : A

13. Who are the neighbours of Esha ?

- A. Bhavana and Anjali
- B. Anjali and daya
- C. Daya and chandu
- D. Fara and daya

Ans : C

14. Who is sitting opposite to Daya?

- A. Daya
- B. Anjali
- C. Chandu

Ans : B

15. Who is just left to daya?

- A. fara
- B. Chandu
- C. Anjali
- D. Bhavana

Ans : A

16. In what proportion would Ram, Kiran and Arun distribute profit among them ?

- I. Ram gets two-fifth of the profit.
- II. Kiran and Arun have made 75% 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

17. Find the odd man out 1 4 9 16 22 36?

- A. 9
- B. 22
- C. 36
- D. 4

Ans : B

18. Root : Stem : Branch : ?

- A. Soil
- B. Tree



- C. Wood
- D. leaf

Ans : D

If in a certain code language, 'oka peru' means 'fine cloth' ; 'meta lisa' means 'clear water' and 'dona lisa peru' means 'fine clear weather'

19. which word in that language means 'weather' ?

- A. Dona
- B. Peru
- C. Oka
- D. Lisa

Ans : A

20. which word in that language means 'fine' ?

- A. Oka
- B. Dona
- C. Peru
- D. Meta

Ans : C

21. Monika, Prasad, Mahesh and Keerthi are four friends. Who among them is the heaviest "

I. Prasad is heavier than Monika and Keerthi but lighter than Akash.

II. Monika is lighter than Prasad and Mahesh but heavier than Keerthi

- 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 in both the statements together are needed.

Ans : D

22. 3, 10, 101, ?

- A. 10101
- B. 10102
- C. 10202
- D. 10129

Ans : C

23. The reflex angle between the hands of a clock at 10.25 is:

- A.  $180^\circ$
- B.  $192 \frac{1}{2}$
- C.  $197 \frac{1}{2}$
- D. 195

Ans : C

24. Pointing to a photograph of a boy Suraj said, "He is the son of the only son of my mother." How is Suraj related to that boy?

- A. Brother
- B. Father
- C. Uncle
- D. Cousin

Ans : B

25. Ice is to water as rock is to



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- A. Lava
  - B. Oil
  - C. Sand
  - D. Mud
- Ans : A