

1) In a race A has a start of 100 mtrs and sets off 6 min before B, at the rate of 10 km/hr. How soon will B overtake A, if his speed of running is 12 km/hr?

A. 23min

B. 30min

C. 27 min

D. 33min

2) An Engineering student has to secure 45% marks for a pass. He gets 153 marks and fails by 27 marks. Find the maximum marks?

A. 359

B. 390

C. 450

D. 400

3) The owner of a restaurant started with an initial investment of Rs. 32,000. In the first year of operation, he incurred a loss of 5%. However, during the second and the third years of operation, he made a profit of 10% and 12.5% respectively. What is his net profit for the entire period of three years? Assume that profit or loss are added or deducted from investment?

A. 17.48%

B. 17.60%

C. 17.58%

D. 17.70%

4) 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 4<sup>th</sup> day?

A. 10.32 p.m

B. 11.00 p.m

C. 10.46 p.m

D. None of the above

5) How many times the 29th of a month occur in 400 consecutive years?

A. 4497

B.4490

C.4496

D.4495

6)A man left Rs.1750 to be divided among his two daughters and four sons. Each daughter was to receive three times as much as a son. How much did each son and daughter receive?

A.son-225,daughter-325

B.son-355, daughter-195

C.son-175,daughter-525

D.son-525,daughter-175

7)What is the missing number in this series? 8 2 14 6 11,? 14 6 18 12 ?

A.8

B.13

C.9

D.None of the above

8) 2,6,14,30,62,?

a) 126

b) 128

c ) 120

d) 130

9) Ronald and Elan are working on an assignment. Ronald takes 6 hours to type 32 pages on a computer, while Elan takes 5 hours to type 40 pages. How much time will they take, working together on two different computers to type an assignment of 110 pages?

A.8hrs

B.9hrs

C.7hrs

D.6hrs

10) An army general trying to draw his 16,160 men in rows so that there are as many men as true are rows, found that he had 31 men over. Find the number of men in the front row?

A.127

B.137

C.117

D.147

11) A number when successively divided by 9, 11 and 13 leaves remainders 8, 9 and 8 respectively .Find the Number?

A.871

B.788

C.891

D.881

12) The average of 8 numbers is 21. Find the average of new set of numbers when 8 multiplies every number?

A.148

B.168

C.158

D.None of the above

13)Three taps A,B,C can fill a tank in 12,15 and 20 hours respectively. If A is open all the time and B and C are open for one hour each alternately the tank will be full in:

A.6hrs

B.7hrs

C.5hrs

D.8hrs

14) If  $\log 27 = 1.431$ , then the value of  $\log 9$  is?

A. 0.934

B. 0.945

C. 0.954

D. 0.958

15) Find the length of the rope by which a cow must be tethered in order that it may be able to graze an area of 9856 sq mtrs?

A. 56

B. 54

C. 58

D. 60

16) How many times are the hands of a clock at right angle in a day?

A. 22

B. 44

C. 24

D. 48

17) In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

A. 5760

B. 1440

C. 2880

D. 50400

18) The difference of the squares of two consecutive odd integers is divisible by which of the following integers?

A. 3

B. 6

C.7

D.8

19) A rectangular courtyard 3.78 meters long and 5.25 meters wide is to be paved exactly with square tiles, all of the same size. What is the largest size of the tile which could be used for the purpose?

A. 14 cms

B. 21 cms

C. 42 cms

D. None of these

20) A man spends  $\frac{2}{5}$  of his salary on house rent,  $\frac{3}{10}$  of his salary on food and  $\frac{1}{8}$  of his salary on conveyance. If he has Rs 1400 left with him, find his expenditure on food and conveyance.

A. 1000

B. 1200

C. 1100

D. 900