

1) A bag contains 3 red, 5 yellow and 4 green balls. 3 balls are drawn randomly. What is the probability that the balls contain no yellow ball?

- A.  $\frac{7}{44}$
- B.  $\frac{1}{22}$
- C.  $\frac{7}{12}$
- D.  $\frac{5}{44}$

2) When all the possible 5 letter words with the letters in word LASER (no repetition) are written in alphabetical order, what will be the 25<sup>th</sup> word?

- A. EALRS
- B. ASRLA
- C. ELRSA
- D. ARLSE

3) How long will it take a 1 km long goods train travelling at 25 kmph to get completely through a bridge that is 1 km long ?

- A. 5 mins
- B. 10 mins
- C. 4.8 mins
- D. 4.2 mins

4) One thief entered a cave where he found a pile of diamonds. At first he thought of taking all. But listening to his conscience he thought of taking only half of them. But while returning he picked up one more from the pile. After that second thief entered the cave and bagged half of remaining diamonds and picked up one more while returning. Later third thief entered and did the same. Even the fourth did the same. When the fifth thief entered he found only one diamond in the cave. How many diamonds are there in the cave at first?

- A. 76
- B. 42
- C. 46
- D. 38

5) The difference of squares of two consecutive even integers is divisible by which of the following integers?

- A. 3

B.4

C.6

D.7

6)A Number when divided successfully by 4 and 5 leaves remainders 1 and 4 respectively. When it is successively divided by 5 and 4 then the respective remainders would be?

A.1 ,2

B.2 ,3

C.3 ,2

D.4 ,1

7)A Number when divided by 296 leaves 75 as remainder when the same number is divided by 37 then the remainder will be?

A.1

B.2

C.8

D.11

8)The average of first five multiples of number 3?

A.3

B.9

C.12

D.15

9)When 24 is subtracted from a number, it reduces to its four-seventh. Then what is the sum of the digits of that number?

A.1

B.9

C.11

D.Data Insufficient

10)The product of the ages of Raju and Rani is 240. If twice the age of Rani is more than Raju's age by 4 years then what is the Rani's age?

A.5

B.12

C.10

D.None of the Above

11)How many kg of Pure Sugar must be added to 30 kg of 2% solution of Sugar and water to increase it to a 10% solution?

A.3/7

B.8/3

C.7/3

D.3/8

12)A Dairy man pays Rs. 6.40 per Liter of Milk. He adds water and sells the mixture at Rs. 8 per Liter, thereby making 37.5% profit. The proportion water to milk received by the customers is ?

A.1:10

B.1:12

C.1:15

D.1:20

13)Salaries of Amith and Anup are in the ratio 2:3. If the salary of each is increased by 4000, the new ratio becomes 40:57. What is Anup's present salary?

A. 17,000

B.20,000

C.25,500

D. None of these

14) 3 Men, 4 women and 6 children can complete a work in 7 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 the work in 7 days?

A. 7

B. 8

C. 12

D. None of these

15) A pilgrim travelled a distance of 61 km in 9 hrs. He travelled partly on foot at 4 km/hr. And partly on bicycle at 9 km/hr. The distance travelled on foot is?

A. 14 km

B. 15 km

C. 16 km

D. 17 km

16) How many seconds will it take for a train 120 meters long moving at the rate of 15 m/sec to overtake another train 150 m long running from the opposite side at the rate of 90 km/hr?

A. 7.5

B. 6.75

C. 7.75

D. 6.5

17) If  $X/Y = 2/3$  then find the value of  $3X+4Y/4X+3Y$ ?

A. 17/18

B. 18/17

C. 19/18

D. 18/19

18) How many terms of the series  $1 + 5 + 9 + \dots$  must be taken in order that the sum may be 190?

A.10

B.11

C.12

D.9

19) If a man can save Rs.5 more every year than he did the year before and if he saves 25 rupees in the first year after how many years will his savings be more than 1000 rupees altogether and what will be the exact sum with him?

A.16

B.17

C.15

D.14

20) Find the bankers gain on a bill of Rs.6900 due 3 years hence at 5% p.A. S.I.?

A.125

B.135

C.115

D.105