1. 1. A thief steals a car at 2.30 p.m and drives it at 60 km/h. the theft is discovered at 3 p.m and the owner sets off in another car at 75 km/h. when will he overtake the thief?

a) 4.30 p.m b) 4.45 p.m c) 5 p.m d) 5.15 p.m

2. A man and 3 women can do a piece of work in 20 days. If a woman can do 50% of the work that a man can do, in how many days a woman will do the job when engaged alone?

a) 50 b) 60 c) 100 d) 80

3. A fruit seller buys 700 oranges at the rate of Rs.500 for 100 oranges and another variety of 500 oranges at the rate of Rs.700 for 100 oranges and sells them at Rs.84 per dozen. The profit percent is

a) 20% b) 40% c) 30% d)10%

4. Gopal, Hari and Karthik started a business with investments of Rs.8000, Rs.12000 and Rs.16000 respectively. Hari and Karthik left the business after x months. Out of the annual profit share, Gopal got more than Hari but less than Karthik. If x is an integer, find the ratio of Gopal’s, Hari’s and Karthik’s shares.

1. 27:21:28 b) 24:21:28 c)30:27:36 d) 24:15:20

5. Ten circular plates each of thickness 3 cm each are placed one above the other and a hemisphere of radius 6 cm is placed on the top just to cover the cylindrical solid. What is the volume of the solid so formed?

a) 1224 π cm3 b) 252π cm3 c) 236 π cm3 d) None

6. 4000 was divided into two parts such a way that when first part was invested at 3% and the second at 5%, the whole annual interest from both the investments is Rs.144, how much was put at 3%?

A. Rs.2500 B. Rs.2700 C. Rs.2800 D. Rs.5000

7. The captain of a cricket team of 11 members is 26 years old and the wicket keeper is 3 years older. If the ages of these two are excluded, the average age of the remaining players is one year less than the average age of the whole team. What is the average of the team?

A. 23 years B. 24 years C. 25 years D. None of these

8. A tank is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the tank in the same during which the tank is filled by the third pipe alone. The second pipe fills the tank 5 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is?

A. 6 hrs B. 10 hrs C. 15 hrs D. 30 hrs

9. In a can, there is a mixture of milk and water in the ratio 4 : 5. If it is filled with an additional 8 litres of milk the can would be full and ratio of milk and water would become 6 : 5. Find the capacity of the can?

A. 40 B. 44 C. 48 D. 52

10. 10 % of the electorate did not cast their votes in an election between two candidates. 10 % of the votes polled were found invalid. The successful candidate got 54 % of the valid votes and won by a majority of 1620 votes. The number of voters enrolled on the voter's list was

A. 25000 B. 33000 C. 35000 D. 40000

11. The probability that A speaks truth is 3/5 and that of B speaking truth is 4/7. What is the probability that they agree in stating the same fact?

A. 18/35 B. 12/35 C. 17/35 D. 19/35

12. A, B and C start at the same time in the same direction to run around a circular stadium. A completes a round in 252 seconds, B in 308 seconds and C in 198 seconds, all starting at the same point. After what time will they meet again at the starting point?

A. 26 min 18 sec B. 42 min 36 sec C. 45 min D. 46 min 12 sec

13. Pointing to a girl in the photograph Amar said, "Her mother's brother is the only son of my mother's father." How is the girl's mother related to Amar?

A. Mother B. Sister C. Aunt D. Grandmother

14. At 10 a.m. two trains started traveling toward each other from stations 287 miles apart. They passed each other at 1:30 p.m. the same day. If the average speed of the faster train exceeded the average speed of the slower train by 6 miles per hour, which of the following represents the speed of the faster train, in miles per hour?

A.38 B.40 C.44 D.48

15. Six points are marked on a straight line and five points are marked on another line which is parallel to the first line. How many straight lines, including the first two, can be formed with these points?

A. 29 B. 33 C. 55 D. 32

16. 1. If in a certain language "NIL" is written as "MOHJKM", then how will "BOND" be written in that language?

a) ACNPOMCE b) ANCPMOCE

c) ACNPMOCE d) ACNPMEOC

e) None of The Above

17. X and Y start moving towards each other from two places 200 m apart. After walking 60 m, B turns left and goes 20 m, then he turns right and goes 40 m. He then turns right again and comes back to the road on which he had started walking. If A and B walk with the same speed, what is the distance between them now?

A. 20 m B. 30 m C. 40 m D. 50 m

18. In a queue, Amrita is 10th from the front while Mukul is 25th from behind and Mamta is just in the middle of the two. If there be 50 persons in the queue, what position does Mamta occupy from the front ?

A. 20th B. 19th C. 18th D. 17th

19) A boat takes 19 hours for travelling downstream from point A to point B and coming back to a point C which is at midway between A and B. If the velocity of the stream is 4 kmph and the speed of the boat in still water is 14 kmph, what is the distance between A and B ?

A) 180 km B) 160 km C) 140 km D) 120 km

20. Find odd man out in the following series

214 18 162 62 143 90 106

A. 214 B. 143 C. 18 D. 106

1)c

2)c

3)a

4)d

5)a

6)c

7)a

8)c

9)b

10)a

11)a

12)d

13)c

14)c

15)d

16)c

17) c

18)c

19)a

20)b