1)There are 4 boxes colored red, yellow, green and blue. If 2 boxes are selected, how many combinations are there for at least one green box or one red box to be selected?

A. 1

B . 6

C. 9

D. 5

2)All faces of a cube with an eight - meter edge are painted red. If the cube is cut into smaller cubes with a two - meter edge, how many of the two meter cubes have paint on exactly one face?

A. 24

B. 36

C. 60

D. 48

3)Roy is now 4 years older than Erik and half of that amount older than Iris. If in 2 years, roy will be twice as old as Erik, then in 2 years what would be Roy's age multiplied by Iris's age?

A. 28

B. 48

C. 50

D. 52

4)Two cyclists begin training on an oval racecourse at the same time. The professional cyclist completes each lap in 4 minutes; the novice takes 6 minutes to complete each lap. How many minutes after the start will both cyclists pass at exactly the same spot where they began to cycle?

A. 10

B. 8

C. 14

D. 12

5)A watch which gains uniformly is 2 minutes low at noon on Monday and is 4 min. 48 sec fast at 2 p.m. on the following Monday. When was it correct?

A. 2 p.m. on Tuesday

B. 2 p.m. on Wednesday

C. 3 p.m. on Thursday

D. 1 p.m. on Friday

6)In how many ways can we distribute 10 identical looking pencils to 4 students so that each student gets at least one pencil?

A. 5040

B. 210

C. 84

D. None of these

7)A and B can do a piece of work in 30 days, while B and C can do the same work in 24 days and C and A in 20 days. They all work together for 10 days when B and C leave. How many days more will A take to finish the work?

A. 18 days

B. 24 days

C. 30 days

D. 36 days

8)A car left Canterbury at 7.12 am and arrived in Birmingham, 180 miles distant at 10.57 am. What was its average speed in miles per hour?

A.42

B.44

C.46

D.48

9)If the price of an item is decreased by 10% and then increased by 10%, the net effect on

the price of the item is?

A. A decrease of 99%

B. No change

C. A decrease of 1%

D. An increase of 1%

10)What is the sum of all even integers between 99 and 301?

A. 40000

B. 20000

C. 40400

D. 20200

11)There are 20 balls which are red, blue or green. If 7 balls are green and the sum of red balls and green balls is less than 13, at most how many red balls are there?

A. 4

B. 5

C. 6

D. 7

12)A can have a piece of work done in 8 days, B can work three times faster than the A, C can work?

five times faster than A. How many days will they take to do the work together ?

A.3 days

B. 8/9 days

C. 4 days

D. can't say

13)If n is the sum of two consecutive odd integers and less than 100, what is greatest possibility of n?

A. 98

B. 94

C. 96

D. 99

14)Find (7x + 4y ) / (x-2y) if x/2y = 3/2 ?

A. 6

B. 8

C. 7

D. data insufficient

15)In simple interest what sum amounts of Rs.1120/- in 4 years and Rs.1200/- in 5 years ?

A. Rs. 500

B. Rs. 600

C. Rs. 800

D. Rs. 900

16)Rajeesh, Rakesh and Ramesh jointly thought of engaging themselves in a business venture. It was agreed that Rajeesh would invest Rs. 6500 for 6 months, Rakesh, Rs. 8400 for 5 months and Ramesh, Rs. 10,000 for 3 months. Rajeesh wants to be the working member for which, he was to receive 5% of the profits. The profit earned was Rs. 7400. Calculate the share of Rakesh in the profit ?

A. Rs. 1900

B. Rs. 2660

C. Rs. 2800

D. Rs. 2840

17) A father purchases dress for his three daughter. The dresses are of same color but of

different size .the dress is kept in dark room .What is the probability that all the three will not choose their own dress?

A. 2/3

B. 1/3

C. 1/6

D. 1/9

18) Tim and Elan are 90 km from each other.they start to move each other simultanously tim at speed 10 kmph and elan is at 5 kmph. If every hour they double their speed what is the distance that Tim will pass until he meet Elan?

A. 45

B. 60

C. 20

D. 80

19)A, B, C and D go for a picnic. When A stands on a weighing machine, B also climbs on, and the weight shown was 132 kg. When B stands, C also climbs on, and the machine shows 130 kg. Similarly the weight of C and D is found as 102 kg and that of B and D is 116 kg. What is D's weight?

A. 58kg

B. 78 kg

C. 44 kg

D. None

20)Mr and Mrs Smith have invited 9 of their friends and their spouses for a party at the Waikiki Beach resort. They stand for a group photograph. If Mr Smith never stands next to Mrs Smith (as he says they are always together otherwise). How many ways the group can be arranged in a row for the photograph?

A. 20!

B. 19! + 18!

C. 18 x 19!

D. 2 x 19!