1)If a sum of money compound annually amounts of thrice itself in 3 years. In how many years will it become 9 times itself.

A 6

B. 8

C. 10

D. 12

2)Two trains move in the same direction at 50 kmph and 32 kmph respectively. A man in the slower train observes the 15 seconds elapse before the faster train completely passes by him. What is the length of faster train ?

A 100m

B. 75m

C. 120m

D. 50m

3)I have a certain number of apples to be divided equally among 18 children. If the number of apples and the number of children were increased by '2', each child would get 5 apples less. How many apples have to distribute?

A.818

B.918

C.518

D.118

4)Find a number such that the difference between nine times the number and four times the number is 55 ?

A.12

B.8

C.11

D.6

5)$x^2 < 1/100$, and $x < 0$ what is the highest range in which x can lie?

A. $-1/10 < x < 0$

B. $-1 < x < 0$

C. $-1/10 < x < 1/10$

D. $-1/10 < x$

6)2 hours after a freight train leaves Delhi a passenger train leaves the same station traveling in the same direction at an average speed of 16 km/hr. After traveling 4 hrs the passenger train overtakes the freight train. The average speed of the freight train Was?

A. 30

B. 40

C. 58

D. 60

7)If $3y + x > 2$ and $x + 2y \leq 3$, What can be said about the value of y?

A. $y = -1$

B. $y > -1$

C. $y < -1$

D. $y = 1$

8)A coffee shop blends 2 kinds of coffee,putting in 2 parts of a 33p. a gm. grade to 1 part of a 24p. a gm.If the mixture is changed to 1 part of the 33p. a gm. to 2 parts of the less expensive grade,how much will the shop save in blending 100 gms.?

A. Rs.9.00

B. Rs.1.00

C. Rs.3.00

D. Rs.8.00

9)A train 125 m long passes a man, running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is?

A. 45 km/hr

B. 50 km/hr

C. 54 km/hr

D. 55 km/hr

10)The angle of elevation of a ladder leaning against a wall is 60º and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:

A. 2.3 m

B. 4.6 m

C. 7.8 m

D. 9.2 m

11)A dealer buys a table listed at Rs.500/- and gets successive discounts of 20% and 10% respectively. He spends Rs.15 on transportation and sells it at a profit of 25%.Find the S.P of the table.?

A.250

B.450

C.420

D.320

12)Two clocks begin to strike 12 together. One strikes in 33 seconds and the other in 22 secs. What is the interval between the 6th stroke of the first and the 8th stroke of the second?

A.2 sec

B.3 sec

C.1 sec

D.0.5 sec

13)A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?

A. 12 days

B. 15 days

C. 16 days

D. 18 days

14)A, B and C are three partners in a business. If A's capital is twice that of B and

B's capital is thrice that of C, find the ratio of their profits?

A.6:3:1

B.2:3:1

C.1:3:6

D.1:3:2

15)A fraction is such that if '2' is added to the numerator and '5' to the denominator, the fraction becomes 1/2. If the numerator of the original fraction is trebled and the denominator increased by 15, the resulting fraction is 1/3.Find the original fraction.?

A.14/7

B.12/7

C.7/13

D.None

16)The price of sugar increases by 20%, by what % should a housewife reduce the consumption of

sugar so that expenditure on sugar can be same as before ?

A. 15%

B. 16.66%

C. 12%

D. 9%

17)Two third of three fifth of one fourth of a number is 24. What is 40% of that number?

A. 96

B. 72

C. 120

D. 156

18)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.200

B.250

C.350

D.400

19)A man took a loan of Rs.5000, which is to be paid in three equal yearly installments. If the rate of interest is 10% per annum CI. Find the value of each installment?

A.2010.57

B.3500.6

C.2000.3

D.Data inadequate

20)A father is now three times as old as his son. Five years ago. he was four times asold as his son. Find their present ages (in years!)?

A.Father 45,Son 15

B. Father 35,Son 15

C. Father 45,Son 10

D. Father 45,Son 10