1. In a Class composed of x Girls and y Boys. What part of the class is composed of Girls?
    a. $y / (x + y)$
    b. $x / (x * y)$
    c. $x / (x + y)$
    d. $y / (x * y)$

2. There are 200 Questions on a 3 hour Examination. Among these questions are 50 Mathematics problems. It is suggested that twice as much time be spent on each Mathematics problem as for each other question. How many minutes should be spent on Mathematics problem?
    a. 36
    b. 72
    c. 60
    d. 100

3. If $9x - 3y = 12$ and $3x - 5y = 7$ then $6x - 2y = ?$
    a. -5
    b. 4
    c. 2
    d. 8

4. 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 the A. How many days will they take to do the work together?
    a. 3 days
    b. 8 / 9 days
    c. 4 days
    d. Cannot Say

5. A father is 30 years older than his son, however he will be only thrice as old as the son after 5 years. What is the father's present age?
    a. 40 years
    b. 30 years
    c. 50 years
    d. 44 years

6. A Simple Interest amount of Rs. 5000/- for 6 month is Rs. 200. What is the annual rate of Interest?
    a. 10%
    b. 6%
    c. 8%
    d. 9%

7. The Square of a two digit number is divided by half the number. After 36 is added to the quotient, this sum is then divided by 2. The digits of the resulting

number are the same as those in the original number, but they are in the reverse order. The ten's place of the original number is equal to twice the difference between its digits. What is the number?

    a. 46
    b. 44
    c. 23
    d. 25

8. A student divided a number by 2/3 when he required to multiply by 3/2. Calculate the percentage of error in his result.

    a. 0%
    b. 83.33%
    c. 44%
    d. 23%

9. What is A percent of B divided by B percent of A?

    a. A
    b. B
    c. 1
    d. 10

10. A fast typist can type some matter in 2 hours and a slow typist can type the same in 3 hours. If both type combinable in how much time will they finish?

    a. 1 hr 12 min
    b. 1 hr 24 min
    c. 1 hr 36 min
    d. 1 hr 48 min

11. How long will a train 100m long traveling at 72kmph take to overtake another train 200m long traveling at 54kmph?

    a. 70 sec
    b. 1 min
    c. 1 min 15 sec
    d. 55 sec

12. A and B can finish a piece of work in 20 days. B and C in 30 days and C and A in 40 days. In how many days will A alone finish the job?

a. 48
b. 34 2/7
c. 44
d. 45

13. Out of 10 white, 9 black and 7 red balls, in how many ways can we select one or more balls
    a. 234
    b. 52
    c. 630
    d. 879

14. A person travels 12 km in the southward direction and then travels 5km to the right and then travels 15km toward the right and finally travels 5km towards the east, how far is he from his starting place?
    a. 5.5 km
    b. 3 km
    c. 13 km
    d. 6.4 km

15. Find the next number in the series 1, 3, 7, 13, 21, 31
    a. 43
    b. 33
    c. 41
    d. 45

16. If in a certain code "RANGE" is coded as 12345 and "RANDOM" is coded as 123678. Then the code for the word "MANGO" would be
    a. 82357
    b. 89343
    c. 84629
    d. 82347

17. If "PROMPT" is coded as QSPLOS, then "PLAYER" should be

a. QMBZFS
b. QWMFDW
c. QUREXM
d. URESTI

The questions 18-19 are based on the following data

6 people A, B, C, D, E and F sit around a table for dinner. Since A does not like C, he doesn't sit either opposite or beside C. B and F always like to sit opposite each other.

18. If A is beside F then who is are the two neighbors of B?
    a. D and C
    b. E and C
    c. D and E
    d. Either (a) or (b)

19. If D is adjacent to F then who is adjacent to C?
    a. E and B
    b. D and A
    c. D and B
    d. Either (a) or (c)

20. A person travels 6km towards west, then travels 5km towards north ,then finally travels 6km towards west. Where is he with respect to his starting position?
    a. 13 km East
    b. 13 km North-East
    c. 13 km North-West
    d. 13 km West