Section A:

1. A sum of money doubles in 7 and half years at simple interest. The rate of interest per annum is?
    a) 7.5%   b) 12%   c) 15%   d) 13.33%

2. The number of pairs of number whose H.C.F is 11 and L.C.M is 132 is?
    a) 1   b) 2   c) 3   d) 4

3. A running train crosses a 200 meters platform in 24 seconds. What is the speed of the train?
    a) 80 km./hour   b) 90 km./hour   c) 60 km./hour   d) Data Inadequate.

4. The length of a room is 5.4 meters and its breadth is 2.5 meters. It's area is
    a) 14.50 sq. meters   b) 13.50 sq. meters c) 12.50 sq. meters   d) 12.25 sq. meters

5. When the price of cloth was reduced by 25% the quantity of cloth sold increased by 20%. What was the effect on gross receipt of the shop?
    a) 5% decrease   b) 5% increase   c) 10% decrease   d) 10% increase

6. In a pet shop, there are twice as many cats as there are dogs, and as many parrots as 1/6 the number of dogs and as many mynahs as 1/8 the number of dogs. If the total number of pets in the shop is 1580, then find the number of cats in the shop.
    a) 480   b) 960   c) 1516   d) 3033

7. The sum of Anita's and Sunita's age is 43 years. 11 years hence, Anita's age will be 7/6 times Sunita's age then. Find Sunita's present age.
    a) 22 years   b) 20 years   c) 24 years   d) 19 years

8. The average weight of 10 men is increased by 1.5 kg when one of the men, who weighs 68 kg is replaced by a new man. Find the weight of the new man?
    a) 82 kg   b) 81 kg   c) 80 kg   d) 83 kg

9. The value of a silver coin varies directly as the square of its diameter when the thickness remains the same and directly as its thickness while the diameter is constant. Two silver coins have their diameters as 4:3. Find the ratio of their thickness if the value of the first is 4 times the value of the second .
    a) 4:3   b) 3:2   c) 2:1   d) 9:4

10. If the current flows at 2 mph and it takes me 3 hrs. to row 9 miles upstream, how long will it take for me to return?
    a) 1.28 hrs   b) 2.71 hrs   c) 2.66 hrs   d) 1.71 hrs

Section B:

Direction for questions 11 to 15: Study the following information and answer the questions below.

A family consists of six members P, Q, R, S, T & U. There are two married couples. Q is a doctor and the father of T. U is the grandfather of R and is a contractor. S is a grandmother of T and is a housewife. There is one doctor, one contractor, one nurse, one house-wife and two students in the family.

11. Who is the husband of P?
    a) R   b) U   c) Q   d) S

12. Who is the sister of T?
    a) R   b) U   c) T   d) information insufficient

13. Which is the profession of P?
    a) Doctor   b) Nurse   c) Doctor or Nurse   d) Housewife

14. Which of the following are the two married couples?
    a) US, QT   b) US, QP   c) TS, RU   d) US, RP

15. Which of the following is definitely a group of male members?

a) QU   b) QUT   c) QUP   d) UT

Directions for question numbers 16-20: Read the following information carefully and answer the questions given below.

There are five friends – Shailendra, Keshav, Madhav, Ashis & Rakesh. Shailendra is shorter than Keshav but taller than Rakesh. Madhav is the tallest. Ashish is a little shorter than Keshav and taller than Shailendra.

16.   Who is the shortest?
       a) Rakesh   b) Shailendra   c) Ashish   d) Keshav

17.   If they stand in the order of their heights, who will be in the middle?
       a) Keshav   b) Rakesh   c) Shailendra   d) Ashish

18.   If they stand in the order of increasing heights, who will be second?
       a) Ashish   b) Shailendra   c) Rakesh   d) Keshav

19.   Who is the second tallest?
       a) Shailendra   b) Keshav   c) Ashish   d) Rakesh

20.   Who is taller than Ashish but shorter than Madhav?
       a) Shailendra   b) Keshav   c) Rakesh   d) Ashish

Section C:

Directions for questions 21 to 25: Point out the correct choice that completes the relationship in the following questions.

21.   Room : House : : Roof : ?
       a) House   b) Building   c) Floor   d) Wall

22.   Plaster : Mortarboard : : Sweep : ?
       a) Paint   b) Brush   c) Broom   d) Water

23.   Gullible : Convince : : Naive : ?
       a) Succeed   b) Hurt   c) Cheat   d) Win

24.   Oil : Seed : : Butter : ?
       a) Goat   b) Cow   c) Milk   d) Ghee

25.   Bird : Nest : : Pig : ?
       a) Pen   b) Farm   c) Sty   d) Burrow

Directions for questions 25 to 30: Choose the pair that is not related to each other in the same way as the capitalized pair.

26.   MANDATORY : COMPLY
       a) command : obey   b) forbidden : abstain   c) tacit : approve   d) lawful : abide

27.   GENEROSITY : DONOR
       a) discrimination : connoisseur   b) credulity : dupe   c) eloquence : orator   d) truculence : snob

28.   INVECTIVE : PRAISE
       a) indiscriminate : fastidious   b) brook : tolerate   c) exaggerate : minimise   d) untoward : favourable

29.   CATERPILLAR : BUTTERFLY
       a) larva : mosquito   b) tadpole : frog   c) filly : horse   d) fledgling : bird

30.   GENTLE : LAMB
       a) faithful : dog   b) light : feather   c) slow : snail   d) sly : jackal