1.   A man took a loan from a bank at the rate of 12% per annum at simple interest. After 3 years he had to pay 5,400 as interest only for the period. The principal amount borrowed by him was ?

   a) 2,000
   b) 10,000
   c) 20,000
   d) 15,000

2.   In simple interest rate per annum a certain sum amounts to Rs. 5,182 in 2 years and Rs. 5,832 in 3 years. The principal in rupees is ?

   a) Rs. 2882
   b) Rs. 5000
   c) Rs. 3882
   d) Rs. 4000

3.   If the simple interest for 6 years be equal to 30% of the principal, it will be equal to the principal after ?

   a) 20 years
   b) 30 years
   c) 10 years
   d) 22 years

4.   6,000 becomes 7,200 in 4 years at a certain rate of simple interest. If the rate becomes 1.5 times of itself, the amount of the same principal in 5 years will be ?

   a) 8,000
   b) 8,250
   c) 9,250
   d) 9,000

5.   If the simple interest on Re. 1 for 1 month is 1 paisa, then the rate per cent per annum will be ?

   a) 10%
   b) 8%
   c) 12%
   d) 6%

6.   A can do a piece of work in 4 hours; B and C can do it in 3 hours. A and C can do it in 2 hours. How long will B alone take to do it ?

   a) 10 hours
   b) 12 hours
   c) 8 hours
   d) 24 hours

7.   If A and B together can complete a piece of work in 15 days and B alone in 20 days, in how many days can A alone complete the work ?

    a) 60 days
    b) 45 days
    c) 40 days
    d) 30 days

8.   A and B together can do a piece of work in 12 days, while B alone can finish it in 30 days. A alone can finish the work in ?

    a) 20 days
    b) 25 days
    c) 15 days
    d) 18 days

9.   If A and B together can complete a work in 18 days, A and C together in 12 days and B and C together in 9 days, then B alone can do the work in ?

    a) 18 days
    b) 24 days
    c) 30 days
    d) 40 days

10.   A and B can do a piece of work in 10 days, B and C in 15 days and C and A in 20 days. C alone can do the work in ?

    a) 60 days
    b) 120 days
    c) 80 days
    d) 30 days

11.   A train, 150 m long, takes 30 seconds to cross a bridge 500 m long. How much time will the train take to cross a platform 370 m long ?

    a) 36 secs
    b) 30 secs
    c) 24 secs
    d) 18 secs

12.   A train 200 m long running at 36 kmph takes 55 seconds to cross a bridge. The length of the bridge is ?

    a) 375 m
    b) 300 m
    c) 350 m
    d) 325 m

13.   If a man running at 15 kmph crosses a bridge in 5 minutes, the length of the bridge is ?

    a) 1000 metres
    b) 500 metres
    c) 750 metres
    d) 1250 metres

14.   A train, 200 metre long, is running at a speed of 54 km/hr. The time in seconds that will be taken by train to cross a 175 metre long bridge is ?

   a)   12.5
   b)   20
   c)   25
   d)   10

15.   A 75 metre long train is moving at 20 kmph. It will cross a man standing on the platform in ?

   a)   12 seconds
   b)   14 seconds
   c)   13.5 seconds
   d)   15.5 seconds

16.   The ages of X and Y are in the proportion of 6:5 and total of their ages is 44 years. The proportion of their ages after 8 years will be ?

   a)   6 : 3
   b)   3 : 6
   c)   9 : 5
   d)   8 : 7

17.   If Raj was one-third as old as Rahim 5 years back and Raj is 17 years old now, How old is Rahim now ?

   a)   36
   b)   48
   c)   40
   d)   41

18.   The sum of the ages of father and his son is 44 years. If 6 years after the father will be 3 times as old as his son, what are their present ages ?

   a)   35, 9
   b)   37, 7
   c)   38, 6
   d)   36, 8

19.   Six years ago the ratio of the ages of Preeti and Ruchi was 6: 5. After four years the ratio of their ages will be 11: 10. What is Ruchi's present age ?

   a)   16 years
   b)   17 years
   c)   18 years
   d)   15 years

20.   The product of the ages of Shyam and Ram is 240. If double the age of Ram is more than Shyam's age by 4 years, what is Ram's present age ?
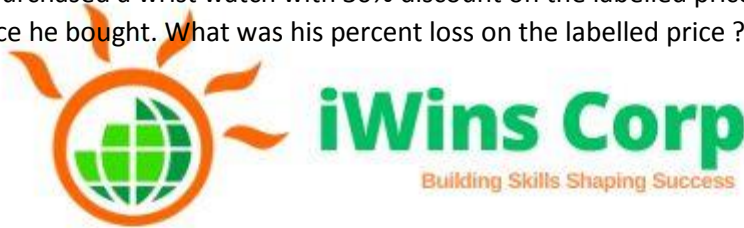
   a)   10
   b)   12
   c)   14
   d)   16

21. A man walking at the rate of 5 km/hr. crosses a bridge in 15 minutes. The length of the bridge (in metres) is ?

    a) 600
    b) 750
    c) 1000
    d) 1250

22. A man travelled a certain distance by train at the rate of 25 kmph. and walked back at the rate of 4 kmph. If the whole journey took 5 hours 48 minutes, the distance was ?

    a) 25 km
    b) 30 km
    c) 20 km
    d) 15 km

23. A man riding his bicycle covers 150 metres in 25 seconds. What is his speed in km per hour ?

    a) 25
    b) 21.6
    c) 23
    d) 20

24. A journey takes 4 hours 30 minutes at a speed of 60 km/hr. If the speed is 15 m/s, then the journey will take ?

    a) 5 hours
    b) 5 hours 30 minutes
    c) 6 hours
    d) 6 hours 15 minutes

25. A and B are 20 km apart. A can walk at an average speed of 4 km/ hour and B at 6 km/hr. If they start walking towards each other at 7 A. m., when they will meet ?

    a) 8.00 A.m.
    b) 8.30 A.m.
    c) 9.00 A.m.
    d) 10.00 A.m.

26. The prices of a refrigerator and a television set are in the ratio 5 : 3. If the refrigerator costs 5500 more than the television set, then the price of the refrigerator is ?

    a) 27500
    b) 8250
    c) 13750
    d) 16500

27.   An article is sold at 5% profit. The ratio of selling price and cost price will be ?

   a) 1 : 5
   b) 20 : 21
   c) 21 : 20
   d) 5 : 1

28.   To gain 10% on selling sample milk at the cost price of pure milk, the quantity of water to be mixed with 50 kg. of pure milk is ?

   a) 2.5 Kg
   b) 5 Kg
   c) 7.5 Kg
   d) 10 Kg

29.   On selling an article for 170, a shopkeeper loses 15%. In order to gain 20%, he must sell that article at ?

   a) 215.50
   b) 212.50
   c) 240
   d) 210

30.   Arvind purchased a wrist watch with 30% discount on the labelled price. He sold it with 40% profit on the price he bought. What was his percent loss on the labelled price ?

   a) 2%
   b) 6%
   c) 4%
   d) 8%

31.   Two pipes A and B can fill a tank in 20 minutes and 30 minutes respectively. If both pipes are opened together, the time taken to fill the tank is ?

   a) 50 minutes
   b) 12 minutes
   c) 25 minutes
   d) 15 minutes

32.   Two pipes A and B can fill a tank in 15 minutes and 20 minutes respectively. Both the pipes are opened together but after 4 minutes, pipe A is turned off. What is the total time required to fill the tank ?

   a) 10 min. 20 sec.
   b) 11 min. 45 sec.
   c) 12 min. 30 sec.
   d) 14 min. 40 sec.

33.   A cistern is normally filled in 8 hours but takes two hours longer to fill because of a leak in its bottom. If the cistern is full, the leak will empty it in ?

   a) 20 hrs
   b) 28 hrs
   c) 36 hrs
   d) 40 hrs

34.   A person can row a distance of one km upstream in ten minutes and downstream in four minutes. What is the speed of the stream ?
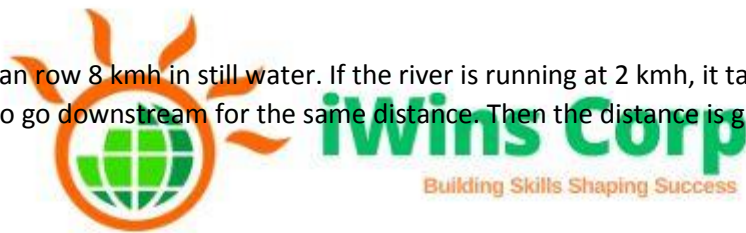
   a) 4.5 km/h
   b) 4 km/h
   c) 9 km/h
   d) 5.6 km/h

35.   A boat sails 15 km of a river towards upstream in 5 hours. How long will it take to cover the same distance downstream, if the speed of current is one-fourth the speed of the boat in still water ?

   a) 1.8 h
   b) 3 h
   c) 4 h
   d) 5 h

36.   A man can row 8 kmh in still water. If the river is running at 2 kmh, it takes 4 hrs more upstream than to go downstream for the same distance. Then the distance is given by ?

   a) 54 kms
   b) 32 kms
   c) 45 kms
   d) 60 kms

37. Which word does NOT belong with the others?

   a) parsley
   b) basil
   c) dill
   d) mayonnaise

38. Which word does NOT belong with the others?

   a) book
   b) index
   c) glossary
   d) chapter

39. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?
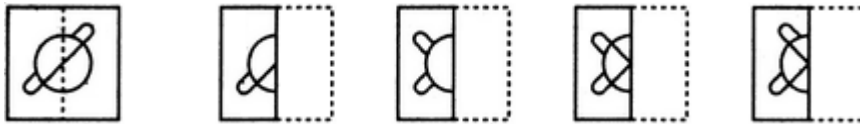
   a) Brother
   b) Nephew
   c) Uncle
   d) Son-in-law

40. If A + B means A is the sister of B; A x B means A is the wife of B, A % B means A is the father of B and A - B means A is the brother of B. Which of the following means T is the daughter of P?

    a) P x Q % R + S - T
    b) P x Q % R - T + S
    c) P x Q % R + T - S
    d) P x Q % R + S + T

41. Find out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.
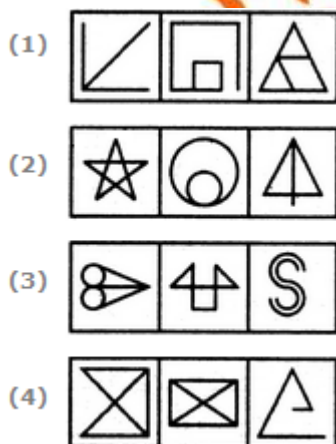

   (X)   (1)   (2)   (3)   (4)

    a) 1
    b) 2
    c) 3
    d) 4

42. Choose the set of figures which follows the given rule.

Rule: Any figure can be traced by a single unbroken line without retracting.
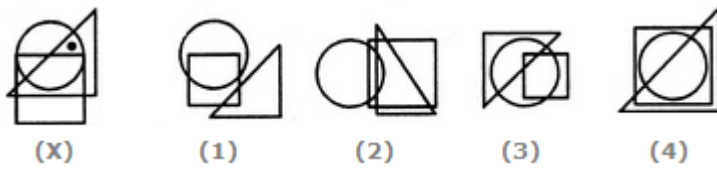

    a) 1
    b) 2
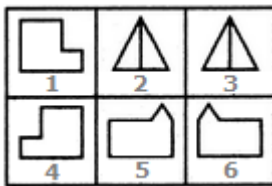   c) 3
    d) 4

43. Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.

a) 1
b) 2
c) 3
d) 4

44. Group the given figures into three classes using each figure only once.

a) 1,4 ; 2,3 ; 5,6
b) 1,5 ; 2,6 ; 4,3
c) 1,6 ; 2,3 ; 4,5
d) 1,2 ; 3,6 ; 4,5

45. It has been established that

P :   Einstein was

Q :   although a great scientist

R :   weak in arithmetic

S :   right from his school days

The Proper sequence should be:

a) SRPQ
b) QPRS
c) QPSR
d) RQPS