Infosys Previous Questions

1. **An online shopping website sells a product for 1000Rs and then gives 10% discount and he then once again offers a discount of 20% on the discounted value. What is the final price of the product?**
2. **The marked price of a shirt is Rs.1000. A shopkeeper offers 10% discount on this shirt and then again offers 20% discount on the new price. How much will you have to pay, finally**?
3. A dishonest dealer professes to sell his goods at the cost price but uses a weight of 800gm instead of 1kg. Find his real gain percent.
4. A sum of money lent out at simple interest amounts to Rs. 720 after 2 years and to Rs. 1,020 after a further period of 5 years. The sum and the rate % are
5. A train with 90 km/h crosses a bridge in 36 seconds. Another train 100 metres shorter crosses the same bridge at 45 km/h. What is the time taken by the second train to cross the bridge ?
6. Ramesh travels 760 km to his home, partly by train and partly by car He takes 8 hours, if he travels 160 km by train and the rest by car. He takes 12 minutes more, if he travels 240 km by train and the rest by car. What are the speeds of the train and of the car?
7. Some students planned a picnic. The budget for food was Rs. 500. But, 5 of them failed to go and thus the cost of food for each member increased by Rs. 5. How many students attended the picnic?
8. After being set up, a company manufactured 6000 scooters in the third year and 7000 scooters in the seventh year. Assuming that the production increases uniformly by a fixed number every year, what is the production in the tenth year?
9. The average score of boys in an examination in a school is 71 and that of the girls is 73. The average score of the school is 71.8. The ratio of the number of boys to that of the girls that appeared in the examination is
10. The mean monthly salary paid to 75 workers in a factory is Rs. 5,680. The mean salary of 25 of them is Rs. 5,400 and that of 30 others is Rs. 5,700. The mean salary of the remaining workers is
11. A sum of Rs. 25 was paid for a work which A can do in 32 days, B in 20 days, B and C in 12 days and D in 24 days. How much did C receive if all the four work together?
12. A man sold two steel chairs for Rs. 500 each. On one, he gains 20% and on other, he loses 12%. How much does he gain or lose in the whole transaction?
13. There are 6561 balls out of them 1 is heavy. Find the min. no. of times the balls have to be weighed for finding out the heavy ball.
14. If I walk with 30 miles/hr i reach 1 hour before and if i walk with 20 miles/hr i reach 1 hour late. Find the distance between 2 points and the exact time of reaching destination is 11 am then find the speed with which it walks.
15. When you reverse the digits of age of father u will get the age of son. One year ago the age of father was twice that of son's age. What are the current ages of father and son?
16. In a class there are less than 500 students. When it is divided by 3 it gives a whole number. Similarly when it is divided by 4, 5 or 7 gives a whole number. Find the no. of students in the class
17. A coffee seller has two types of coffee Brand A costing 5 bits per pound and Brand B costing 3 bits per pound. He mixes two brands to get a 40 pound mixture. He sold this at 6 bits per pound. The seller gets a profit of 33 1/2 percent. How much he has used Brand A in the mixture?

Statements:

1. Some cycles are busses. All cars are buses. Some buses are trains. Conclusions:

I. All cares are cycles.

II. Some trains are buses.

III. Some trains are cars.

1. Statements: All pencils are sticks. Some sticks are notes. All diaries are notes. Conclusions:

I. Some notes are diaries.

II. Some sticks are pencils.

III. Some diaries are sticks.

1. Statements: Some buds are leaves. No leaf is fruit. Some fruits are buds.

Conclusions:

I. Some fruits are leaves.

II. All buds are fruits.

III. Some leaves are buds.

1. Statements: Some birds are animals. All animals are rivers. Some rivers are lions. Conclusions:

I. Some lions are animals

II. Some rivers are birds

III. No animal is lion

1. Statements: All boxes are pans Some boxes are jugs .Some jugs are glasses.Conclusions:

I. Some glasses are boxes

II. No glass is box

III. Some jugs are pans

IV. No jug is pan

1. If the average size of 3 accounts is $1 million, is the smallest account less than $500,000?

1. The largest account is $1.3 million.

2. One of the accounts is $0.7 million.

1. Is the product of x and y greater than 60?

1. The sum of x and y is greater than 60.

2. Each of the variables is greater than 2.

1. What is the value of y?

1. y - 3 = 2

2. y2 = 25

1. What was the percent increase of Company A's stock between June 1 and June 30, 2000?

1. The stock gained $5 in value during June 2000.

2. The stock rose 12% during the first half of the month.

1. Which company reported the larger dollar increase in earnings?

1. Company A reported that its earnings increased by 5%.

2. Company B reported that its earnings increased by 7%.

1. Ramesh starting from a fixed point goes 15 km towards North and then after turning to his right he goes 15 km. then he goes 10, 15 and 15 metres after turning to his left each time. How far is he from his starting point?
2. Sonalika goes 12 km towards North from a fixed point and then she goes 8 km towards South from there. In the end she goes 3 km towards east. How far and in what direction is she from her starting point?
3. Sunita goes 30 km towards North from a fixed point, then after turning to her right she goes 15 km. After this she goes 30 km after turning to her right. How far and in what direction is she from her starting point?
4. Kanchan goes 5 m towards east from a fixed point N and then 35 km after turning to her left. Again she goes 10 metres after turning to her right. After this she goes 35 m after turning to her right. How far is she from N?
5. Shri Prakash walked 40 metres facing towards North. From there he walked 50 metres after turning to his left. After this he walked 40 metres after turning to his left. How far and in what direction is he now from his starting point?

There are six persons A B C D E and F in a school. Each of the teachers teaches two subjects, one compulsory subject and the other optional subject. D's optional subject was History while there others have it as compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are just reverse of those of D's. Chemistry is an optional subject of only one of them. The only female teacher in the school has English as her compulsory subject.

1. What is C's compulsory subject?
2. Who is a female member in the group?
3. Which of the following has some compulsory and optional subjects as those of F's ?

A) D B) B C) A D) C E) None of these

1. Disregarding which is the compulsory and which is the optional subject, who has the same two subject combination as F?

A) A B) B C) E D) D E) None of these

1. Which of the following groups has History as the compulsory subject?

A) A,C,D B) B,C,D C) C,D D) A,B,C E) A,D

1. The tremors of the earthquake were felt at intervals of 15 seconds. The first tremor was felt at 08.54:57 am and the last tremor was felt at 10:45:12 am. How many times were the tremors felt?
2. F: 216: : L: ?
3. If 264 \* 2 = 6, 870 \* 3 = 11, then what should 735 \* 5 be?
4. b\_ ab \_ b\_ aab \_ b

abba

baaa

aabb

Abbb

1. \_\_ bcab \_\_ cabc \_\_ abca \_\_b

aabc

bbca

abac

abca

1. If the first and second letters in the word ‘COMMUNICATIONS’ were interchanged, also the third and the fourth letters, the 5th and 6th letters and so on, which letter would be the tenth letter counting from your right?
2. Statements : All fish are trees. No frog is tree.

Conclusions : I. No frog is fish.

II. Some trees are fish.

1. j10, q17, v22 .... find next in the series
2. An Eraser, Pencil, Notebook together costs $1.00. Notebook costs more than the cost of 2

Pencils. 3 Pencil costs more than 4 Erasers. 3 Erasers costs more than a Notebook.

How much does a pencil costs?

1. LETS + SEE = ALL, GOOD + DOG = OREO,

HOW + MUCH = POWER then P + O + W + E + R = ?, and

GOAT + AAA = ERROR then GOAT-AAO = ?

1. Adam,Bob,Chan, David and Evan are visited to more places, visited places are Mumbai,Shimla,Goa.No person visited more than once given the following data.
2. 1)David visit more places than chan

2)Adam and Chan does not visit similar places

3)Bob and David does not similar places

4)Evan visit maximum number of places

Q1) who are visiting the mumbai place?

Q2)which of the two persons visiting the similar places

1. There are 10 points in three parallel planes, first plane contain 5 points, second plane contain 3 points and third plan contain rest of them, then how many traingles to be formed ?
2. COCA + COTA = OASIS each letter consist uniqe digit(0-9) then find S+O+T+I+C+A
3. 2,1,3,3,5,5,7,7,?
4. 200meter train travel with the speed of 120kmph and other train travel in opposite direction with speed of 80kmph in 9 seconds. Then find the length of other train ?
5. In how many ways 7 different people can sit in 4 buses if any people can sit any bus ?
6. Class P has 30 students of which 20 like Music. In class Q, 10 students like Music. Find the number of students in Class Q if the average number of students who like Music in a class is 16
7. Ram & Shyam started from a point X and Y respectively and started moving towards each other. After they met Ram took 4 hours to reach Y and Shyam took 16 hours to reach X. Ram’s speed is 48 kmph. What is the speed of Shyam?

(a) 24kmph (b) 56kmph (c) 32kmph (d) 12kmph

1. All men are prisoners

No prisoner is educated

Conclusions -

All men are not educated

No educated are prisoners

1. What is the value of x?
2. (1) |x + 2| = 2|x - 2|
3. (2) x > 2
4. YOUR+YOU=HEART (O=4) find the value of Y+U+R+E?
5. LET+LEE=ALL THEN A+L+L =?
6. KANSAS+OHIO = OREGON. Then find the value of G+R+O+S+S
7. world+trade=center then what is the value of centre
8. A train leaves Meerut at 5 a.m. and reaches Delhi at 9 a.m. Another train leaves Delhi at 7 a.m. and reaches Meerut at 10.30 a.m. At what time do the two trains travel in order to cross each other ?
9. There is well of depth 30 m and frog is at bottom of the well. He jumps 3 m in one day and falls back 2 m in the same day. How many days will it take for the frog to come out of the well?
10. Eleven students, A, B, C, D, E, F, G, H, I, J and K, are sitting in the first row of the class facing the teacher. D who is to the immediate left of F is second to the right of C.A is the second to the right of E, who is at one of the ends. J is the immediate neighbor of A and B and third to the left of G.H is to the immediate left of D and third to the left of I.Which of the following statements is true in the context of the above sitting arrangements ?
11. Six friends M,N,O,P,Q and R are sitting in a row facing towards north. O is sitting between M and Q. P is not at the end. N is sitting immediate right to Q,R is not at the right end.If the left-most person passes a pen to P then how many hands will it pass assuming that each time a transfer occurs both hands are used except for the persons sitting at the ends of his transfer ?
12. 3,7,13,23,41,??
13. A decade back US was greater than Japan in semiconductor production. They both contributed 22% to world’s semiconductor production ten years ago. Now Japan contributed 300% more and US contributed 200%more. Japan produce more semiconductors than US.

What is the minimum contribution of Japan a decade back?

1. there are 6 credit cards and 4 debit cards.In how many ways 5 credit cards and 3 debit cards can be selected?
2. 6 members have to be selected from different field.10 from java,5 from microsoft,8 from oracle,2 from IBM .What is the possible combination?
3. No A is B

Z is A

All Z are A

a) some B are Z

b)NO Z is A

c)None of these

1. how many divisor including 1 but excluding 1000 are there for the number 1000?
2. During the testing of drug the result were found to be 85% positive in the first phase of 100 tests and 55% positive of second phase.If the overall results were 75% positive.what was the total number of tests conducted in first phase and second phase?
3. Three members A, B and C participated in a race. A is 36m ahead of B and 24m ahead of C. And B is 12m ahead of C. Find the length of the race track
4. If A and B can do a piece of work in 7.5 days. If B works 1/2 of work and remaining work was completed by A, taking total time of 20 days to complete the work. If b is more efficient then B can do work in how many days?
5. how many zero's are at the end of 99!?
6. AGE+AGE=GOAL find OO+AA=?
7. In how many different ways can 5 girls and 5 boys form a circle such that the boys and the girls alternate?
8. one gear of pulley rotates at a speed of 3 rev/sec another gear roates at 5 rev/sec. if both start together after how many seconds will they be together again
9. HERE=COMES-SHE,(Assume s=8) Find the value of R+H+O
10. 7th number in the series....
11. 99,18,36,9,18
12. apple+pear=orange
13. The ratio of the present ages of two Friends is 2 : 3 and six years back, the ratio was 1 : 3. What will be the ratio of their ages after 4 years ?.
14. An inlet pipe fill a tank in 5 hrs and outlet pipe empty same tank in 36 hrs working indiviually.how many additional number of outlet pipes of same capacity required to be opened so that tank never over flows
15. a number divided by 84 leaves remainder 57 what is the remainder when same number divided by 12
16. P says to Q "I am thrice as old as you were when i was as old as you are". If the sum of their present age is 100 years, then the present age of Q?
17. If POINT + ZERO = ENERGY, then E + N + E + R + G + Y = ?
18. 2,7,14,32,58,?
19. I bought a book for Rs 60 , I sold off to a friend for Rs 70 but after a while i felt sorry , that i sold it and bought it back for Rs 80, how much loss did I incur?
20. air is cloud, cloud is rain, rain is water, water is sand. what is cloud?
21. USA+USSR=PEACE FIND P,E,A,C,E
22. 2,5,10,17,?,41
23. An electric wire runs for 1 km b/w some no: of poles. If one pole is removed the distance b/w each pole increases by 1 2/6 (mixed fraction). How many poles were
24. there initially?
25. Ever + Since = Darwin then D + a + r + w + i + n is ?
26. a rabbit is tied to one end of an equilateral triangle of side 5 m with a rope length of 8 m.The rabbit is not allowed to travel inside the triangle then find the maximum area covered by the rabbit?
27. if (HE)^H=SHE,where the alphabets takes the values from (0-9) & all the alphabets are single digit then find the value of (S+H+E)
28. If abcde is a five digit number and abcde\*4=edcba, then what is the value of b+c+d?
29. 4,25,49,121, ?
30. 7,14,55,110,?
31. Two dice are thrown simultaneously. What is the probability that the sum of the numbers shown on the two dices will be a prime number?