Name	
Department	
College	
Email ID	
Mobile Number	
Graduated Year	

Answers

1	6	11
2	7	12
3	8	13
4	9	14
5	10	15

Instructions

A. Importance is given to all the questions.
B. Duration of the test is 60 minutes
C. Attach your rough/working sheet along with your Question paper.
D. Do not write anything on the question paper.
E. No negative marking

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1. Last time I visited a friend's farm near Bangalore he gave me a bag containing 1000 peanuts From this I took out 230 peanuts for myself and gave away the bag with the remainder of peanuts to three little brothers who live in my neighborhood and told them to distribute the nuts among, themselves in proportion to their ages—which together amounted to 17½ years. Tinku, Rinku and Jojo, the three brothers, divided the nuts in the following manner. As often as Tinku took four, Rinku took three and as often as Tinku took six, Jojo took seven. With this data can you find out what were the respective ages of the boys and how many nuts each got?

2. There is a magical number that will unlock the wealth of a lifetime for Uncle Scrooge. The number opens the lock to a safe and Uncle Scrooge has a tattered piece of paper that has clues written over it. The clues for the number are:
    a. The number has the same digits as the number of fingers on a normal man's hands.
    b. The fourth digit is greater than the second digit by the same number as a six feet tall man is taller than a 2 feet tall midget.
    c. The third digit is unluckily smaller than the second digit by 3.
    d. The first digit is one holds the sway over the last digit by being thrice the last digit.
    e. These peculiar numbers have 3 pairs of two digits whose sum adds up to 11.

3. The year is 1950, when one did get 'Paises' from a bank. Mahesh went to the bank to withdraw a precise amount of money: A rupees B paise. But in a bungle at the cash counter, he ended up receiving B rupees and A paise. He spends 20 paise and then realized his mistake. But he was not annoyed, he realized that he still had double the amount he wanted in the first place. What was the amount Mahesh wanted to withdraw?

4. You along with your friend are standing in front of two houses. Each of those houses inhabits a family with two children.
   Your friend tells you the below two facts:
   a. On your left is a family that has a boy who likes accounts but the other child loves science.
   b. On the right is a family with a seven year old boy and a new born baby.

   You ask him, “Does either of the family have a girl?”. To this he replies, “I am not quite sure. But can you guess that? If you are right, I will give you $200.”
   Which family do you think is likely to have a girl ? And Why?

5. In the following question, two rows of numbers are given. The resultant number in each row is to be worked out separately based on the following rules and the questions below the rows of numbers are to be answered. The operations of numbers progress from the left to the right.
   Rules:
   i. If an even number is followed by another even number they are to be added.
   ii. If an even number is followed by a prime number they are to be multiplied
   iii. If an odd number is followed by an even number, the even number is to be subtracted from the odd number
   iv. If an odd number is followed by another odd number the first number is to be added to the square of the second number
   v. If an even number is followed by a composite odd number,the even number is to be divided by the odd number.

   Row 1: 12 7 16
   Row 2: 67 12 3
   What is the difference between the resultants of the second row and first row?

6. Four friends Asha, Babu, Chika and Dishant are out for shopping. Asha has less money than three times the amount that Babu has. Chika has more money than Babu. Dishant has an amount equal to the difference of amount with Babu and Chika. Asha has three times the money with Dishant. They each have to buy at least one shirt, or one shawl, or one sweater, or one jacket that are priced Rs. 200, Rs. 400, Rs. 600, and Rs. 1,000 a piece respectively. Chika borrowed Rs. 300 from Asha and buys a jacket. Babu buys a sweater after borrowing Rs. 100 from Asha and is left with no money. Asha buys three shirts. Which is the costliest item that Dishant could buy with his own money?

7. Seven people namely B, C, D, E, F, G and H have to attend a workshop but not necessarily in the same order, in seven different months of the same year namely January, March, April, July, August, September and December. Each of them also likes a different bank namely CANARA, SBI, ICICI, HDFC, AXIS, PNB and Yes but not necessarily in the same order. The one who likes AXIS will attend a workshop in the month which has less than 31 days. Only one person will attend a workshop between the one who likes AXIS and B. The one who likes CANARA will attend a workshop immediately before B. Only three people will attend a workshop between one who likes AXIS and the one who likes SBI. H will attend a workshop immediately after B. Only three people will attend a workshop between H and G. The one who likes PNB will attend a workshop immediately before G. The one who likes ICICI will attend a Workshop immediately before the one who likes Yes. E will attend a Workshop immediately after the one who likes Yes. C will attend a workshop in a month which has only 30 days. F does not like CANARA. What will be the order in which they attend the workshops.

8. In Sahara desert , 3 men found a big 24L jar is full of water. Since there is a shortage of water so they decided to distribute the water among themselves such that they all have equal amounts of it. But they only have a 13L, a 5L and an 11 liter jar. How do they do it?

9. You walk upwards on an escalator. With a speed of 1 step per second. After 50 steps you are at the end. You turn around and run downwards with a speed of 5 steps per second. After 125 steps you are back at the beginning of the escalator. How many steps do you need if the escalator stands still?

10. Henry delivers flowers for a local florist. One lovely day, he left the windows open on the delivery van and the cards all blew off the bouquets. He has to figure out who gets which flowers. He has five bouquets, each of which has only one kind of flower: daisies, roses, carnations, iris, and gladioli. He has five cards with names on them: a birthday card for Inez, a congratulations-on-your-promotion card for Jenny, a graduation card for Kevin, an anniversary card for Liz, and a housewarming card for Michael. Here's what Henri knows:
    Roses are Jenny's favorite flowers and what her friends always send.
    Gladioli is traditionally sent for a housewarming.
    Kevin is allergic to daisies and iris.
    Liz is allergic to daisies and roses.

Neither Liz nor Inez has moved recently.

Which flowers should be delivered to Kevin

11. Ten people landed on a deserted island. There they find lots of coconuts and a monkey. During their first day they gather coconuts and put them all in a community pile. After working all day they decided to sleep and divide them into ten equal piles the next morning. That night one castaway wakes up hungry and decides to take his share early. After dividing up the coconuts he finds he is one coconut short of ten equal piles. He also notices the monkey holding one more coconut. So he tries to take the monkey's coconut to have a total evenly divisible by 10. However, when he tries to take it the monkey conks him on the head with it and kills him. Later another castaway wakes up hungry and decides to take his share early. On the way to the coconuts he finds the body of the first castaway, which pleases him because he will now be entitled to 1/9 of the total pile. After dividing them up into nine piles he is again one coconut short and tries to take the monkey's slightly bloodied coconut. The monkey conks the second man on the head and kills him.

    One by one each of the remaining castaways goes through the same process, until the 10th person to wake up gets the entire pile for himself. What is the smallest number of possible coconuts in the pile, not counting the monkeys?

12. Five farmers have 7, 9, 11, 13 & 14 apple trees, respectively in their orchards. Last year, each of them discovered that every tree in their orchard bore exactly the same number of apples. Further, if the third farmer gives one apple to the first, and the fifth gives three to each of the second and the fourth, they would all have exactly the same number of apples. What were the yields per tree in the orchards of the third and fourth farmers?

13. Four people need to cross a dark river at night. They have only one torch and the river is too risky to cross without the torch. If all people cross simultaneously, then torch light won't be sufficient. So, two persons can cross the river at the same time. Speed of each person of crossing the river is different. Crossing time for each person is 1 min, 2 mins, 7 mins and 10 mins. What is the shortest time needed for all four of them to cross the river?

14. In a world of riddles, 9 numbers from 1 - 9 want to reach to the other side of the river using a boat. Since its a world of riddles, therefore, there are some rules:

    Rule-1: Maximum 3 numbers can cross at a time.

    Rule-2: The Boat cannot sail on its own.

Rule-3: The sum of numbers crossing at a time must be a square number.
You need to plan trips such that minimum trips are needed for all numbers to cross.

15. Alice, Becky, Cindy and Denise visited me on the Valentine's Eve.
The time of each visit is mentioned below:
A) Alice at 10:00
B) Becky at 9:00
C) Cindy at 8:00
D) Denise at 11:00
*Each time mentioned above may be either AM or PM.
Also below statements hold true:
A) Cindy did not visit me between Becky and Denise.
B) At least one female visited me between Alice and Becky.
C) Alice did not visit me before both Cindy and Denise.
Can you tell at what time did they individually visit me ?