

Sequential Output Tracing Quiz Questions for IBPS PO Mains, SBI PO Mains & RBI Grade B Exams.

Set No 14

Direction: Read the given information carefully and answer the questions given beside:

In the following input output sequence, the steps are obtained by applying certain logic. Each step is a resultant of previous step.



Correct Answers:

1	2	3	4	5
C	В	А	D	С

Common Explanations:



First of all we will try to know how we can get 5, 8, 4,7 and 3,4: (6 + 4)/2 = 5, (9 + 7)/2 = 8(3 + 5)/2 = 4, (5 + 9)/2 = 7(1 + 5)/2 = 3, (5 + 3)/2 = 4 so:



Now we will see that how we can get 2, 3 and 6, 0. (5 x 4) + 3 = 23, (8 x 7) + 4 = 60





Reference:

Now, to reach the next step we need to add the squares of the numbers Square of 2 = 4, square of 3 = 9 and 4 + 9 = 13Square of 6=36, Square of 0=0 and 36 + 0 = 36



Inference:

Now , applying the same pattern, Square of 4 = 16, Square of 1 = 1 and 16 + 1 = 17. Square of 3 = 9, Square of 4 = 16 and 9 + 16 = 25.



Reference:

In the final step, we just need to subtract the first number from second number.



Inference:

Applying the same logic as used above to reach the final step:

25 – 17 = 8.



Final Output:



Answers :

- Following the common explanation, we get that: 64 is the square of the final step Option C, is hence the correct answer.
- 2. Following the common explanation, we get that If the difference of step II is multiplied by final step, resultant number is 56 Option B, is hence the correct answer.

- Following the common explanation, we get that
 697 is the product of the smaller number of step III to the larger number of step II.
 Option A, is hence the correct answer.
- **4.** Following the common explanation, we get that Difference between the numbers of step III is 8. Option D, is hence the correct answer.
- From the common explanation we get Average number of step I is 65.Option C, is hence the correct answer.

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