ITER, SIKSHA 'O' ANUSANDHAN



(DEEMED TO BE UNIVERSITY) Accredited by NAAC of UGC with 'A' Grade

Coding Questions for Interview

- Q1. Write a java program to find greatest between two numbers without using if-else and conditional operator. (in-built method should not be used)
- Q2. Write a java program to divide a number by 4 without using / operator.
- Q3. Write a java program to remove duplicate element from a sorted array without using any other data structure including array.
- Q4. Write a java program to check whether two given number 'a' and 'b' are consecutive term in the Fibonacci series or not.
- Q5. Write a java program to check whether a number is even or not without using arithmetic or relational operator.
- Q6. Write a java program to find sum of digit of a given number until it becomes a single digit number.
- Q7. Write a java program to find second largest element from a given unsorted integer array.
- Q8. Write a java program to arrange the element of an integer array so that all negative element will be at one side and all positive element will be in other side.
- Q9. Write a java program to find sum of each row and each column of a given matrix.
- Q10. Write a java program to find minimum and maximum occurring character of a given string.
- Q11. Write a Java program to print all permutations of a given String. For example, if given String is "GOD" then your program should print all 6 permutations of this string, e.g., "GOD," "OGD," "DOG," "ODG," and "DGO."
- Q12. Assume you have different currency notes of values Rs. 1, Rs 2, Rs. 5, Rs. 10, Rs. 20, Rs. 50 and Rs. 100 respectively. Write a program to calculate the minimum number of currency notes required to make a certain amount of Rs X.

Test Cases:

- (a) X=205, Number of notes=3
- (b) X=5, Number of notes=1
- (c) X=4, Number of notes=2
- Q13. An integer n is divisible by 9 if the sum of its digits is divisible by 9. Develop a program to display each digit, starting with the rightmost digit. Your program should also

determine whether or not the number is divisible by 9. Test it on the following numbers:

- (d) n = 154368
- (e) n = 621594
- (f) n = 123456

Q14. Write a program to find whether it is possible to get a palindrome number from a given number by re-arranging the positions of its digits. If yes, the program should print 2, else it must print 1.

Example 1:

If the given number is 21251, it is possible to form a palindrome by re-arranging its digits, as 21512 or 12521. So, the program must print 2.

Example 2:

If the given number is 2125, it is not possible to form a palindrome by re-arranging its digits. So, the program must print 1.

Assumption:

The input number will be positive integer number greater than or equal to 1 and less than or equal to 25000.

Q15. Write a java program to print the following pattern.

1 12A 123BA 1234CBA 12345DCBA
