**ABES Engineering College, Ghaziabad**

**Department of Computer Science and Engineering (AI&ML) B.Tech. SEM-II Session: 2023-24 Programming for Problem Solving (BCS 201) Assignment-3**

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Q1. Differentiate between while and do-while loop. Write a program in C to print the

following pattern:

1 2 3 4 5

1 2 3 4

1 2 3

1 2

1

Q2. Write an algorithm and draw a flow chart to check whether the number entered by user is palindrome or not.

Q3. Write a program to print the pattern

1

12

123

1234

123

12

1

Q4. Differentiate between break and continue statement with the help of a program.

Q5. Write a program in C to display all the prime number from M to N, where M and N are user input values and M<N.

Q6. Write a Program for pattern

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