**MSc IT**

**MIT2232C03: SMAC (Social Mobile Analytics & Cloud)**

**Date: 07/02/2024**

**Instructions:**

         Properly name your variables.

         Use comments wherever required

         Write problem objective with the necessary details in the beginning of each program.

**Time:45 minutes 15 Marks**

1. Write a program that prompts user to enter an alphabet. Print all the words in the list that starts with that alphabet.

2. Write a program to print the following pattern:

**1**

**1 2**

**1 2 3**

**1 2 3 4**

**1 2 3 4 5**

**OR**

2. Write a program to sum the series 12/1 +22/2 + 32/3 + …… + n2/n.