

**2021**  
**B.SC. PART III PRACTICAL EXAM[GENERAL]**  
**COMPUTER SCIENCE**  
**[GENERAL]**  
**PAPER IV[GROUP-B]**  
**[PRACTICAL]**

**Full Marks: - 40**

**Time : 4 Hours**

**Mark allotment:**

**Group B1-20 , Group B2-20**

**[Answer one question from Group –B1 and one question from Group –B2]**

**Group –B1**  
**(Marks :20)**

- 1. Write a shell scripts that takes a year as input and finds whether it is a leap year or not**
- 2. Write a shell script to find two strings contain equal number of characters.**
- 3. Write a shell script to determine the factorial of a number that is given as input.**
- 4. Write a shell scripts to check weather a number of string is palindrome or not.**

**Group –B2**  
**(Marks :20)**

- 1. Write a program in VB/VC++ to design a simple calculator.**
- 2. Write a program in VB/VC++ to create Fibonacci series .**
- 3. Write a program in VB/VC++ for determining to find factorial of a positive number.**
- 4. Write a program in VB/VC++ to calculate the simple interest and compound interest .**