

Swami Purnanand Degree College of Technical Education

External Examination Assignment 2021

BSc(IT)

Programming in 'C' (BSIT-102)

Max. Marks : 70

SECTION-A

Note: Attempt any **Four questions** from Section A. Each question carry **7 marks**.

Q 1) What are the features of the C language?

Q 2) What do you mean by dynamic memory allocation in 'C'?

Q 3) What is function? Differentiate between call by value and call by reference in 'C'.

Q 4) Write a program to print Fibonacci series up to 100.

Q 5) Write a program to find out whether a number is prime or not.

Q 6) What is pointer? Explain with example.

Q 7) Explain structure with example.

SECTION-B

Note: Attempt any **3 questions** from Section B. Each question carry **14 marks**.

Q 1) List and explain at least six preprocessor directives along with examples.

Q 2) What are the different data types used in C? Give example.

Q 3) What is an array? How it can be represented in memory? What are its various types?
Explain in detail.

Q 4) What are control statements in 'C'? Explain in detail.

Q 5) What are storage classes? Explain different types of storage classes.

Q 6) Explain in detail various file handling function available in C by giving examples.