



**Progressive Education Society's
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16
End Semester Examination: Jan.2023
Faculty: Commerce**

Program: BBA(Computer Application) Semester: I
Program (Specific): BBACA07
Class: FYBBACA
Name of the Course: Introduction to C Programming
Course Code: 22-BBACA113
Paper: -

Course Type: CC
Max.Marks: 70
Time: 3 Hrs.

Instructions to the candidate:

- 1) There are 4 sections in the question paper. Write each section on separate page.*
- 2) All Sections are compulsory.*
- 3) Figures to the right indicate full marks.*
- 4) Draw a well labelled diagram wherever necessary.*

Section A

Q1) Write a Short Note (solve any 5)

[5 x 3 =15 marks]

- a) Arithmetic Operators
- b) printf() function
- c) break statement
- d) Strings
- e) Register Storage Class
- f) Structure

Section B

Q2) Answer the following(solve any three)

[3 x 5 =15 marks]

- a) Explain different datatypes used in C programming with example.
- b) Discuss any three standard library functions used to accept character from keyboard.
- c) Differentiate between while loop and do- while loop.
- d) Discuss for loop with example.

Section C

Q3) Answer the following (solve any four)

[4 x 5 =20 marks]

- a) Write a program to find factorial of a given number.(Accept number at run time)
- b) What is function? Explain benefits of function with example.
- c) Discuss the syntax and use of following functions with example.
 - 1. strcpy() 2. strcmp() 3. strlen()
- d) Write the structure of C program with example.
- e) Write a program to find maximum number in the given array.

Section D

Q4) solve any four

[4 x 5 =20 marks]

- a) Define Array. Explain types of Arrays with example.
- b) What is Dynamic Memory Allocation? Explain malloc () function with example.
- c) Write a program to print the following pattern.

1

1 2

1 2 3

1 2 3 4

- d) Write a program to find if the given number is prime or not.
(Accept number at runtime)
- e) Differentiate between Arrays and Structures.