

Roll No.

Exam Code : J-21

Subject Code—51622

B.C.A. EXAMINATION

(Batch 2020 Onwards)

(First Semester)

PROBLEM SOLVING THROUGH C

BCA-PC(L)-115

Time : 3 Hours

Maximum Marks : 70

Note : Attempt *Five* questions in all. Q. No. 1 is compulsory. All questions carry equal marks.

1. Define the following : **2×7=14**

- (i) Data types
- (ii) Else-if ladder
- (iii) Function
- (iv) String
- (v) Pointer
- (vi) Operator
- (vii) Switch statement.

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P.T.O.

Unit I

2. Define C. What is the importance of C ?
Explain structure of C program with the help of example. 14
3. What is Expression ? Discuss type casting and conversion using example. 14

Unit II

4. What do you mean by looping ? Give the syntax of looping statements in C. Also write a program to find the sum of n even numbers. 14
5. What is Recursion ? How to pass parameters in functions ? Explain using examples. 14

Unit III

6. What is an Array ? How are arrays declared and initialized ? What is passing arrays to functions ? 14

7. What do you mean by array of strings ? Write and explain through a program. 14

Unit IV

8. What do you mean by storage class ? What is the different storage classes used in C ? Explain with the help of an example. 14
9. What is pointer conversion ? Explain, how pointers and arrays are related with examples. 14