

Roll No.

Total Pages : 3

OBCA/M-15 19001

**COMPUTER FUNDAMENTALS AND
PROGRAMMING WITH 'C'**

Paper-BCA-101

Time Allowed : 3 Hours] [Maximum Marks : 80

Note : Attempt **five** questions in all, selecting at least **one** question from each Unit. Question No. 1 is compulsory. All questions carry equal marks.

Compulsory Question

1. (a) What is a Flowchart?
(b) What is a Variable?
(c) Give syntax of FOR.
(c) What is a POINTER? 4×4=16

UNIT-I

2. Discuss the applications of Computers in various fields during the time period 2000-2014. 16
3. What is a Decision table? Explain with example. 16

UNIT-II

4. Chart out various data types available in 'C' Language. 16
5. Differentiate between the following :
(a) Constant and Variable

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UNIT-IV

8. Explain Array and its types with examples. 16
9. Differentiate between Structure and Union with examples. 16

UNIT-III

- (b) Casting and Conversion
- (c) Short int and Long int
- (d) Exit() and Return. $4 \times 4 = 16$

6. Differentiate between the following :

- (a) While and Do while
- (b) Auto and Static storage class
- (c) Auto and Extern storage class
- (d) IF-ELSE and ELSE-IF. $4 \times 4 = 16$

7. Explain parameter passing between the functions under the light of the following program : 16

```
/* sample c program */
#include<stdio.h>

void display(int x, int y, int z)
{
    printf("%d",x);
    printf("%d",y);
    printf("%d",z);
}

main()
{
    int a=5;
    display(a++,a++,a++);
}
```