

(b) What is storage class ? Explain the any *two* storage classes in C language with their scopes in detail.

Roll No.

97665

**BCA - 2nd Semester
Examination – April, 2018**

'C' PROGRAMMING

Paper : BCA-106

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt five questions in all. Question No. 1 will be compulsory. In addition to compulsory question, student will have to attempt four more questions selecting one question from each Unit.

1. (a) What is the difference between printf() and scanf() ?
- (b) Explain the difference between getch () and putch ().
- (c) What do you mean by string constant ?
- (d) What is ELSE-IF ladder ?

- (e) Uses of switch statement.
- (f) What do you mean by global variable ?
- (g) What do you mean by decision making ?
- (h) What is recursion ? Explain.

UNIT – I

2. Explain the following in detail :

- (a) History and structure of C programming
- (b) Importance of C programming language

3. (a) What do you mean by Operators in C Language ? Explain arithmetic Operators, logical operators and bitwise operators used in C Language in detail. <http://www.HaryanaPapers.com>

(b) Explain the following :

- (i) Data types
- (ii) Identifier and keywords.

UNIT – II

4. (a) What are nested loops ? Explain through suitable example.

(b) Explain the difference between while loop and do while loop through an suitable example.

5. Explain the following through example in detail :

- (a) Nested If statement and If-Else statement
- (b) For loop and jumps in loops

UNIT – III

6. What is a function ? How can you pass parameters to a function ? Also explain the various string manipulation functions in detail.

7. (a) What is user defined function ? How it is created ? Explain with the help of suitable example.

(b) Explain the Input & Output functions used in C language in detail.

UNIT – IV

8. (a) What is Array ? Explain its Different types. Also explain the concept of passing arrays to functions through example.

(b) What is pointer ? Explain the uses of pointer in C language with example.

9. (a) What do you mean by Algorithm and Flowchart ? What are the various basic symbols used in flowcharting ? Explain in detail.