



NBP-0200941

Seat No. _____

P. G. D. C. A. (Sem. I) (Non-CBCS) Examination

April / May - 2017

**CS - 02 : Programming in C
(Old Course)**

Time : 3 Hours]

[Total Marks : 100

- 1** Attempt any four : **20**
- (a) Explain printf(), scanf(), clrscr() and getch().
 - (b) Explain various data types in C language.
 - (c) Explain Hierarchy of operations in detail.
 - (d) Define the terms : Constant, Variable, Keyword, String, and Header File.
 - (e) Explain different Decision Making Statements.
- 2** Attempt any four : **20**
- (a) What is Operator ? Explain Logical and Ternary Operators with examples.
 - (b) What is use of loops ? Explain different types of Looping Statements.
 - (c) Explain Switch Case statements with example.
 - (d) What is Recursion ? Explain with its suitable example.
 - (e) What is Pointer ? Explain Call by Value and Call by Reference functions.
- 3** Attempt any four : **20**
- (a) Discuss different types of UDF with examples.
 - (b) What is use of Array ? Explain Array of Pointer with example.
 - (c) What is Structure in C Language ? Explain how to define Structure elements and how to Accessing Structure elements with example.

- (d) Explain strcmp(), strcat() and strlen() Syntax with examples.
- (e) Explain Pointer to Structure with suitable example.

4 Attempt any four : **20**

- (a) Write a program to write and read one text file.
- (b) Explain ftell() and fseek() Syntax with an Example.
- (c) What is Type Casting? Explain with its uses and Example.
- (d) Explain Command Line Argument with Example.
- (e) Write a note on C Preprocessor.

5 Attempt any four : **20**

- (a) Explain General Structure of C Program in detail.
- (b) Explain various types of Storage Classes.
- (c) Explain "goto" and "continue" statements with examples.
- (d) Explain the "typedef" and "union" keywords with examples.
- (e) Write a Program to enter Ten Numbers and count even and odd numbers.
