



HCM-0200941

Seat No. _____

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

October – 2017

CS-02 : Programming in C
(Old Course)

Time : 3 Hours]

[Total Marks : 100

- 1 Answer the following : (any four) 20**
- (1) Explain program structure of C language.
 - (2) Explain switch case statements with example.
 - (3) Explain various Data Types in C.
 - (4) Explain Decision statements with example.
 - (5) Explain looping statements with example.
- 2 Answer the following : (any four) 20**
- (1) What is Recursion? Explain with its example.
 - (2) Give difference between Call by value and Call by reference.
 - (3) Explain Structure with suitable example.
 - (4) Discuss different types of UDF.
 - (5) Explain various looping statements.
- 3 Answer the following : (any four) 20**
- (1) What is Array? Explain different types of Array with suitable example.
 - (2) Explain gets(), puts() with example.
 - (3) Explain any three functions :
Strcpy(), Strcmp(), Strcat(), Strlen()
 - (4) Give difference between Structure and Union.
 - (5) How to define Structure? Explain accessing structure elements with example.

4 Answer the following : (any **four**) **20**

- (1) Explain Type casting with example.
- (2) Explain command line argument.
- (3) Explain fopen(),fclose() with its syntax and example.
- (4) Explain fprintf(),fscanf(),fputc().
- (5) Explain C constants and variables.

5 Answer the following : (any **four**) **20**

- (1) Write a program to enter three subject marks and calculate Total, Percentage and class.
- (2) Explain C preprocessor.
- (3) Explain Dynamic Memory Allocation.
- (4) Explain scope of variables.
- (5) Write a program that get a string and print that string in reverse order.
