



**DK-0200941**

Seat No. \_\_\_\_\_

**P.G.D.C.A. (Sem. I) Examination**

**April / May - 2015**

**PROGRAMMING IN C**

Time : **3 Hours**]

[Total Marks : **100**

- 1 Attempt any Four: 20**
- (a) Discuss the important features of 'C' Language in detail.
  - (b) Explain use of break, continue and goto statements with an example.
  - (c) Define Operator. And explain Logical, Unary and Ternary Operators in detail.
  - (d) Explain format specifiers with example.
  - (e) Discuss the Hierarchy of operations with example
- 2 Attempt any Four: 20**
- (a) Explain different Data types in C.
  - (b) What is Array? Explain One-dimensional and Two-dimensional array with example.
  - (c) Explain C Pre-Processor.
  - (d) Explain Decision Making Statements.
  - (e) What is Pointer? Explain Array of Pointers with suitable example.
- 3 Attempt any Four: 20**
- (a) Explain C Program Structure.
  - (b) What is Type Casting? Explain it with example.
  - (c) Explain fopen( ), fte11( ), fseek( ), fgetc( ), fclose( ).
  - (d) What is Variable and Constant? Discuss the Scope of Variables.
  - (e) Give the differences between for loop and while loop. And explain nesting of loops with Example.

- 4 Attempt any Four: 20**
- (a) What is use of recursive functions? Explain it with suitable example.
  - (b) Explain the Switch ..... case with an example.
  - (c) Explain functions with suitable example:
    - (1) Call by value           (2) Call by reference
  - (d) Explain use of Typedef with an example.
  - (e) Explain Command Line Arguments with example.

- 5 Attempt any Four: 20**
- (a) Explain the Union concept in detail. And Give differences between Structure and Union.
  - (b) What is Structure? Explain Array of structure with suitable example.
  - (c) What is UDF? Explain different types of UDF.
  - (d) Explain strcpy( ), gets( ), puts( ), getch( ), strcmp( ).
  - (e) Write a program to enter five strings and arrange into ascending order.

