PAID TEDM EVAMINATION

| FIRST SEMESTER [BCA] DECEMBER 2016 | | | |
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| Paper Code: BCA-105 | | Subject: Introduction to Programming Language Using C | |
| Tim | e: 3 Hours | Maximum Marks: 75 | |
| | te: Attempt any five questi | ons including Q no.1 which is compulsory. question from each unit. | |
| Q1 | numbers using ternary (b) What are Bitwise operate (c) What are the basic data (d) Differentiate between extended to the desire of the desire | tors? types and their associated range? at control loop and entry control loop. | |
| | (i) Differentiate memory all | ocation for structure and array? t is not preferred in C-programming. (2.5x10=25) | |
| | | UNIT-I | |
| Q2 | with suitable examples. | of loop control statements and explain them (6) lay the following pattern as the output. (6.5) | |
| Q3 | 1234, the reverse is 432 | between pass by reference and pass by value? | |
| | | UNIT-II | |
| Q4 | example. (b) Differentiate between ge | of static variable with the help of suitable (4) (tc(), getch(), getche(), gets(). (2) (y one string into another string without using (6.5) | |
| Q5 | · / • | ses in C with suitable example. (6) ointer to any array and array of pointers with (6.5) | |
| | | IINIT-III | |

(a) What is 'recursion? What are various conditions associated with Q6 recursion? Write a program to calculate XY using recursion where values for X and Y are entered by user. (Don't use pow()). (6)

- (b) What is pointer arithmetic? Explain with suitable examples. (6.5)
- Q7 Explain the following with suitable examples:-

(12.5)

- (a) Nested Structure
- (b) Arrays within Structure
- (c) Structure as function parameter

UNIT-IV

- Q8 (a) What are header files? Give the format of any three library functions for each of these header files: ctype.h, stdio.h,math.h (6)
 - (b) What is preprocessor directive? Explain different preprocessor directives with examples. (6.5)
- Q9 What is file pointer? Write a program in C that write 10 integers in data.txt file and copy into the duplicate.txt file. (12.5)
