



12137/A 210

Reg. No. 

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**I Semester B.C.A. Degree Examination, October/November 2014**

**(Repeaters – KUD)**

**COMPUTER CONCEPTS AND C PROGRAMMING**

Time : 3 Hours]

[Max. Marks : 80

**Instruction :** Answer **any five full** questions.

1. (a) Explain any two input devices.  
(b) Differentiate between Compiler and Interpreter.  
(c) Write an algorithm to find biggest of 2 numbers. **(8 + 4 + 4 = 16)**
2. (a) Draw a flow chart to find sum of odd numbers upto 'N'.  
(b) List the characteristics of C Language.  
(c) Explain the working of dot matrix printer. **(6 + 5 + 5 = 16)**
3. (a) Explain basic data types with examples.  
(b) Explain for loop with syntax and examples.  
(c) What are identifiers? Give examples. **(6 + 8 + 2 = 16)**
4. (a) Write a program to generate upto N even numbers.  
(b) Explain unformatted input and output functions.  
(c) Differentiate 'if' and 'goto' statements. **(8 + 4 + 4 = 16)**
5. (a) Write a 'C' program to find the sum of primary diagonal elements of a matrix.  
(b) Explain Recursion with an example.  
(c) Differentiate library function and user defined function. **(8 + 4 + 4 = 16)**
6. (a) Define Structure. Write a program to read the name and runs scored by 5 players and print the same using structure.  
(b) What is a pointer? How do you declare a pointer variable?  
(c) List different types of operators in C. **(8 + 4 + 4 = 16)**

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7. (a) What is a function? Write a C program to add 2 numbers using function.  
(b) Write a C program to accept an integer number and print corresponding day of week. **(8 + 8 = 16)**
8. Write short notes : **(4 × 4 = 16)**
- (a) Formatted input/output functions
  - (b) String handling functions
  - (c) Difference between entry controlled and exit controlled statements
  - (d) Basic structure of C program.
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