



12137/A210

Reg. No.

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I Semester B.C.A. Degree Examination, November 2015

KUD (Repeaters)

Paper – I : COMPUTER CONCEPTS AND C-PROGRAMMING

Time : 3 Hours]

[Max. Marks : 80

SECTION – A

Answer **any FIVE** full questions:

1. (a) Explain block diagram of computer .
(b) Explain classification of printers with example.
(c) Differentiate high level language and machine level language. **(6+6+4=16)**
2. (a) Explain characteristics of 'C' language.
(b) Define
(a) Application software
(b) System software
(c) Define algorithm. Write an algorithm to find the area of triangle when three sides are given. **(6+4+6=16)**
3. (a) Explain the problem solving techniques.
(b) What is a data type? List basic data type.
(c) Explain different types? Operators in 'C'. **(8+2+6=16)**
4. (a) Write a program to generate upto natural numbers.
(b) Explain unformatted input and output function.
(c) Differentiate 'if' and 'goto' statement. **(6+6+4=16)**
5. (a) Differentiate Entry controlled and Exit controlled loop with example.
(b) Write a 'C' program to find roots of quadratic equation using switch statement. **(8+8=16)**
6. (a) Explain string handling functions.
(b) Explain different categories of user defined functions. **(8+8=16)**
7. (a) What is an Array? How do you declare it?
(b) Write a 'C' program to find transpose of matrix.

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- (c) Differentiate 'break' and 'continue' statement. **(4+6+6=16)**
8. (a) What is a structure? Write a 'C' program to read list of five students name, roll no. and three subject marks and print the same.
- (b) What is a pointer? How do you declare it?
- (c) Give the output for the following program:
- ```
Void main
{Float a =13.5;
Float *b, *c;
b = &a; /*Assume address of a=10086-1;
c = b;
Print ("%u%u%u" & a, b, c);
Print ("%f%f%f ", a, *(&a), *b);
}
```
- (8+4+4=16)**
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