

Roll No.

BCA-201(N)

B. C. A. (Second Semester)
EXAMINATION, May, 2013

(New Course)

Paper First

C PROGRAMMING

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt all questions.

Section – A

(Numerical/Analytical/Problematic Questions)

1. (a) Write five basic features of language C and explain each features in brief. 5
(b) Write the skeleton of C program and explain each step in brief. 4
2. (a) Write and explain data types with its range and value in detail. 5
(b) Write a program to show different data type and with their conversion specification. 4

Section – B

(Short Answer Type Questions)

Note : Attempt any seven questions. Each question has 6 marks.

3. Write a C program to calculate area of triangle and circle where input is supply by user and display the output on screen.

4. Write a C program to calculate the temperature in celcius and vice versa where input is supply by user.
5. Explain the following in detail with example :
 - (a) Arithmetic operator
 - (b) Relational operator
 - (c) Logical operator
6. Write a C program to evaluate the no. of years, months, works and days out of total no. of days supplied by users.
7. Write a C program to list all prime numbers below 100 and each line must be contain 8 prime numbers.
8. Write a C program to input a line (more than one word) and print on monitor same as input.
9. Explain the following :
 - (a) for loop
 - (b) while loop
 - (c) do-while loop
10. Write a C program to allocate memory at run time to store text in it. Display the name as received correctly.
11. Write a C program to exchange the value of variable $a = 10$; $b = 20$ by using temp. variable and without any variable.
12. Explain the following with parameter parsing :
 - (a) Call by value
 - (b) Call by references

(Long Answer Type Questions)

Note : Attempt any *one* question.

13. (a) Write a C program to multiplication of two array.
 (b) Write a C program to print all value in a file which file only for read tables 2 to 20.
14. Write short notes on any *three* of the following :-
 - (a) Pointer
 - (b) Functions
 - (c) Matrix
 - (d) Strings