

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

16. (a) Discuss all output statements in C.
Or
(b) Explain all the operators in C.
17. (a) Explain the concept of storage classes.
Or
(b) Write a C program to check the given number is perfect or not.
18. (a) Write a C program to calculate standard deviation.
Or
(b) Write a C program to subtract two matrices.
19. (a) Describe arrays of strings with example.
Or
(b) Explain any five string handling functions.
20. (a) Write a C program to sort the given set of names using pointers.
Or
(b) Explain call by reference using pointers.

Reg. No. :

Code No. : 30942

Sub. Code : GMCA 11

**B.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2013.**

First Semester

Computer Applications — Main

Paper I – PROGRAMMING IN C

(For those who joined in July 2012 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. _____ short cut key is used to compile a C program.
(a) alt + c (b) shift + c
(c) control + c (d) none of these
2. The reserved words in C language is called as
(a) Identifier (b) Keyword
(c) Token (d) Constants
3. Which control string is used to get float value
(a) %c (b) %f
(c) %d (d) %i



4. Which statement returns value to the calling function?
 (a) break (b) continue
 (c) goto (d) return
5. The array elements can be accessed by
 (a) index (b) subscript
 (c) dot (d) both a and b
6. Array is _____ data type.
 (a) Fundamental (b) User - defined
 (c) Derived (d) None
7. Every character array must end with _____ character.
 (a) null (b) blank
 (c) empty (d) none of these
8. The strcpy function takes _____ arguments.
 (a) 2 (b) 3
 (c) 4 (d) 5
9. The pointer is _____ data type.
 (a) Fundamental (b) User - defined
 (c) Derived (d) None
10. The _____ is used for dynamic memory allocation.
 (a) union (b) array
 (c) structure (d) pointer

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

11. (a) What is a variable? List the rules for declaring variables.
 Or
 (b) Explain the structure of C program.
12. (a) Write a C program to generate fibonacci series 0,1,1,2,3,5,8.....
 Or
 (b) Differentiate if and switch statement.
13. (a) What is an array? Discuss its types.
 Or
 (b) Write a C program to calculate the sum and average in an array.
14. (a) Explain gets and puts functions with suitable example.
 Or
 (b) Explain strlen and strcpy functions.
15. (a) What is pointer? How to declare pointers in C?
 Or
 (b) Describe about generic pointer.

