

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Explain all the operators in C.
Or
(b) Write a C program to convert binary to decimal number.
17. (a) Write a C program to check the given number is perfect or not.
Or
(b) What is function? Discuss its uses and types.
18. (a) Write a C program to subtract two matrices.
Or
(b) How to calculate the length of an array? Explain with an example.
19. (a) Explain any five string handling functions.
Or
(b) Write a C program to check whether the two given strings are equal, lesser or greater.
20. (a) Write a C program to sort the numbers using pointers.
Or
(b) Describe about function pointers.

Reg. No. :

Code No. : 21017

Sub. Code : GMCA 11

B.C.A. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2014.

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 :

- The reserved words in C language is called as
(a) Identifier (b) Keyword
(c) Token (d) Constants
- The length of an identifier should be _____ characters
(a) 16 (b) 32
(c) 64 (d) 128
- Which statement returns value to the calling function?
(a) Break (b) Continue
(c) Goto (d) Return



4. _____ statement is used to change the flow of control
- (a) Goto (b) Break
(c) Continue (d) All of these
5. Array is _____ data type
- (a) Fundamental (b) User - defined
(c) Derived (d) None
6. _____ occupies contiguous memory location
- (a) Pointer (b) Array
(c) Structure (d) Union
7. The strcpy function takes _____ arguments
- (a) 2 (b) 3
(c) 4 (d) 5
8. In the last of character array it have the symbol _____
- (a) \0 (b) \n
(c) \t (d) none of these
9. The pointer is _____ data type
- (a) Fundamental (b) Derived
(c) User - defined (d) None
10. In pointer the operator * indicates _____ of variable
- (a) Address (b) Locating
(c) Content (d) None of these

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the structure of a C program.
Or
(b) Write a C program to find whether the given year is leap or not using conditional operator.
12. (a) Differentiate If and Switch statement.
Or
(b) Write a C program to find the biggest among three numbers using if statement.
13. (a) Write a C program to calculate the sum and average in an array.
Or
(b) How will you declare and initialize an array? Explain.
14. (a) Explain strlen and strcpy functions.
Or
(b) Write a C program to check whether the given string is palindrome or not.
15. (a) Describe about generic pointer.
Or
(b) Write a C program to swap two numbers using pointers.

