1007M051   Candidate's Seat No : _____

B.C.A. Sem-1 Examination
CC 102
Introduction to Programming Languages Using C

Time : 2-00 Hours]   July 2021   [Max. Marks : 50

Instructions : All questions in **Section I** carry equal marks.
Attempt any **TWO** questions in **Section I**.
Question V in **Section II** is **COMPULSORY**.

Section I

Q I A Explain machine language and high level language. Write algorithm and draw flowchart to find factorial of a number.   10
B Explain basic structure of C Program. List basic data types of C with their size in bytes.   10

Q II A Explain nested if with example. Explain getchar(), putchar(), scanf() function with example.   10
B Explain switch case with example. Explain conditional operator with example.   10

Q III A Explain different loop structures in C with example. Explain continue statement.   10
B What are arrays? How elements of array are stored? Explain two dimensional arrays with example.   10

Q IV A Give difference between strcmp() and stricmp(), strcpy() and strncpy(), strrev() and strlen(). Explain different storage classes.   10
B List different types of user define functions. Explain recursion with example.   10

Section II

Q V MCQs   10

(i) _____ function is used to compare strings.
a) strcmp()
b) strrev()
c) strcat()
d) strcpy()

(ii) The result of printf("%d", 6==6 ? 14 :15); is _____
a) 14
b) 6
c) 15
d) None of these

(iii) C Program structure consists _____
a) Header file Section
b) Main function Section
c) Global Declaration Section
d) All of the above

(iv) Variable name must begin with character without spaces but it permits which special variable
a) an asterisk symbol (*)
b) an ampersand symbol (&)
c) an underscore symbol (_)
d) All of the above

(v) In C float type data needs memory of size.
a) 4 bytes
b) 6 bytes
c) 2 bytes
d) 8 bytes

(vi) Which of the following statement is wrong?
a) 3+3 = a;
b) is='A' + 5;
c) ss=12.5;
d) st='m' * 'b'

(vii) what is the ASCII range for a to z letters?
a) 65 to 90
b) 49 to 74
c) 97 to 122
d) None of these

(viii) The _____ statement is used to separate two case statement.
a) continue
b) goto
c) break
d) exit

(ix) Which loop is guaranteed to execute at least one time.
a) while
b) do while
c) for
d) all of these

(x) The string is terminated with _____ character.
a) \0
b) $
c) ?
d) All of these

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