* M B M - 0 0 3 - 0 0 1 2 0 7 - 5 0 - 3 *

MBM-003-001207

Seat No. _____

B. Sc. (Sem. II) (CBCS) Examination

March / April - 2018

BSCA-201 : Computer Application

(Old Course)

Faculty Code : 003
Subject Code : 001207

Time : $2\frac{1}{2}$ Hours] [Total Marks : **70**

1 Answer following : **20**

(1) What is Recursion?

(2) Pointer always occupies _____ bytes.

(3) Definition of structure occupies memory. True or False?

(4) A UDF can return an address. True or False?

(5) EOF stands for _____

(6) _____ library function is used to check for end-of-file.

(7) Which function is used to add a structure type variable in the file?

(8) Which symbol is used to declare a pointer of pointer?

(9) Malloc() is used _____

(10) fseek() is used _____

(11) What is structure?

(12) Which operator is used to access structure member using pointer?

(13) UDF can return multiple values. True or False?

(14) Strcpy() is used _____

(15) Which function is used to write structure to a file?

(16) fopen() returns _____, if there is any error in opening a file.

(17) When a UDF calls itself, it is called _____

(18) _____ operator is used to move pointer to the address of next element of the array.

(19) Pointer occupies _____ bytes in a 32 bit system.

(20) Which operator is used to access structure member using its variable?

2 (a) Attempt following : (any **three**) **6**

(1) What is Free()?

(2) Explain any two file writing functions.

(3) Discuss how we can access variables thorough its pointer.

(4) Explain different ways to access structure members.

(5) List out any two limitations of array in C.

(6) Differentiate getc() and putc().

(b) Attempt following : (any **three**) **9**

(1) Differentiate structure and union.

(2) Discuss different ways to declare and initialize an array.

(3) What is scope of variables?

(4) Explain realloc().

(5) Explain all file opening modes.

(6) Discuss different ways to identify end-of-file in file handling operations.

(c) Attempt following : (any **two**) **10**

(1) Write a short note on Two Dimensional array.

(2) Explain call by reference with an example.

(3) Write a short note on DMA.

(4) Explain array of pointers.

(5) Write a short note on error handling random access file.

3 (a) Attempt following : (any **three**) **6**

(1) Explain any two string handling functions.

(2) Discuss parameter passing techniques.

(3) Differentiate malloc() and calloc().

(4) Explain reading and writing of characters in file.

(5) How can we identify whether file already exists or not?

(6) Differentiate call by value and call by reference.

(b) Attempt following : (any **three**) **9**

(1) What is preprocessor directives? Explain any one.

(2) Explain any three math.h library functions.

(3) What is recursion? List out advantages of recursion.

(4) What is static variable in UDF? Give an example.

(5) Explain pointer arithmetic.

(6) Discuss array of structure and array within structure.

(c) Attempt following : (any **two**) **10**

(1) Explain all type of UDF.

(2) Discuss pointer to array with an example.

(3) Explain any five file management library functions.

(4) Write any example of recursive function.

(5) Write a short note, on structure.
