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W—392—2018

FACULTY OF SCIENCE

B.Sc. (Second Semester) EXAMINATION

NOVEMBER/DECEMBER, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper III

(Programming in 'C')

(MCQ & Theory)

(Thursday, 6-12-2018)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

- N.B. :—*
- (i) Attempt *All* questions.
 - (ii) Figures to the right indicate full marks.
 - (iii) Assume suitable data, wherever necessary.

MCQ

1. Attempt the following : 10
- (i) Printf() is statement.
 - (a) Looping
 - (b) Input
 - (c) Output
 - (d) Conditional
 - (ii) ★ is used for declaring
 - (a) Array
 - (b) Pointer
 - (c) For
 - (d) id
 - (iii) In the following list is looping statement.
 - (a) switch
 - (b) id
 - (c) for
 - (d) scanf()

P.T.O.

- (iv) Structure is data type.
- (a) Primary (b) Derived
- (c) User defined (d) None of these
- (v) function is used to copy one string to another string.
- (a) strlen () (b) strcmp ()
- (c) strcpy () (d) None of these
- (vi) A block of statement written to perform some task is called
- (a) Function (b) Pointer
- (c) Array (d) String
- (vii) Union members are stored at memory location.
- (a) Same (b) Different
- (c) Both (d) None of these
- (viii) function is used to open a file.
- (a) fopen () (b) fread ()
- (c) fclose () (d) open ()
- (ix) format specifier is used for float data type.
- (a) %d (b) %s
- (c) %c (d) %f
- (x) is used as a new line character.
- (a) \s (b) \t
- (c) \n (d) \o

Theory

2. (a) Explain while statement in 'C'. 5
- (b) Explain primary data types. 5
- Or*
- (c) Explain strcat and strcmp functions. 5
- (d) Write a program in 'C' to display fibonacci series of a number. 5

3. (a) Explain the concept of pointer. 5
- (b) Explain the concept of union. 5
- Or*
- (c) Explain the concept of recursion. 5
- (d) Write a program in C to find the largest element from an array. 5
4. Define function. Explain how arrays are passed to function. 10
- Or*
- Write a program in 'C' for addition of two 3×3 matrices. 10