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R—341—2017

FACULTY OF SCIENCE

B.Sc. (First Year) (Second Semester) EXAMINATION

MAY/JUNE, 2017

(CBCS Pattern)

COMPUTER SCIENCE/INFORMATION TECHNOLOGY

Paper-III

(Programming in C)

(MCQ+Theory)

(Tuesday, 2-5-2017)

Time : 10.00 a.m. to 12.00 noon

Time— Two Hours

Maximum Marks—40

N.B. :— (i) Assume suitable data if necessary.

(ii) Figures to the right indicate full marks.

(MCQ)

1. Select the *correct* alternative for the following : 10

(1)is input statement in C.

- (a) Input (b) Scanf
(c) Get (d) read

(2)is not a data type in C.

- (a) String (b) Int
(c) Pointer (d) Array

(3) The variable which holds address of another variable is called as....

- (a) get (b) pointer
(c) register (d) arrary

(4) If function is called by itself then it is called as.....

- (a) recursion (b) reference
(c) get (d) put

P.T.O.

- (5) function is used to join two strings.
- (a) Stjoin (b) Strjoin
(c) Strcat (d) Sjoin
- (6)is used to declare pointer variable :
- (a) + (b) ++
(c) * (d) +—
- (7) is conditional branching statement in C.
- (a) if (b) fore
(c) whiled (d) All of these
- (8) is an entity which is used to bind variables of different data types together.
- (a) pointer (b) array
(c) I/o (d) structure
- (9) is looping statement in C.
- (a) if (b) switch
(c) if-else (d) while
- (10) is used to open a file in C.
- (a) fopen (b) Fileopen
(c) open F (d) Openfile.

(Theory)

2. (a) Explain concept of nested if statement. 5
(b) Explain two-dimensional array in detail. 5
- Or*
- (c) Write a program to display Fibonacci series for given number. 5
(d) What are the user defined data types used in C ? 5

3. (a) What do you mean by structure within structure ? 5
 (b) Explain switch statement with syntax and example. 5

Or

- (c) Write a program to describe concept of nested for loops. 5
 (d) Explain I/o statements used in C. 5
4. (a) How arrays are passed to function ? 5
 (b) What are the different data types used in C ? 5

Or

- (c) Explain how two-dimensional arrays are initialized. 5
 (d) Write a program for addition of two 3×3 matrix. 5