

This question paper contains 3 printed pages]

V—338—2017

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2017

(CBCS Pattern)

COMPUTER SCIENCE/INFORMATION TECHNOLOGY

Paper III

(Programming in C)

(MCQ + Theory)

(Monday, 11-12-2017)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

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

(ii) Figures to the right indicate full marks.

MCQ

10

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

(1) is input statement in C.

(A) Scan

(B) Scanf

(C) In

(D) Input

(2) is looping statement in C.

(A) while

(B) if

(C) switch

(D) print

(3) The variable which holds address of another variable is

(A) Pointer

(B) Array

(C) Int

(D) Structure

(4) is not a storage class in C.

(A) Static

(B) Automatic

(C) Good

(D) Register

P.T.O.

- (5) function is used to join two strings.
- (A) strcat (B) stjoin
(C) joint (D) sjoin
- (6) is used to declare pointer variable.
- (A) ++ (B) --
(C) +- (D) *
- (7) is conditional branching statement.
- (A) if (B) whiled
(C) fore (D) all of these
- (8) is relational operation in C.
- (A) > (B) ==
(C) <= (D) All of these
- (9) is used to open file in C.
- (A) OpenF (B) Fileopen
(C) Fopen (D) All of these
- (10) is an entity which is used to bind variables of different data types together.
- (A) Structure (B) Array
(C) Pointer (D) None of these

Theory

2. (a) Explain structure of C program. 5
(b) Discuss two-dimensional array in detail. 5
- Or*
- (c) Write a program to display functional of 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) Write a program to sort array in ascending order. 5

Or

- (c) Write a program to describe concept of nested for loop. 5
- (d) What are the different operators used in C ? 5
4. (a) What is storage class ? What are the different storage classes used in C ? 5
- (b) Write a program to add two 3×3 matrix. 5
- Or*
- (c) Explain while statement with syntax and example. 5
- (d) Write a program to reverse digits of a number. 5