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V—339—2017

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2017

(CGPA Pattern)

COMPUTER SCIENCE

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 pre increment operator.

- (A) ++i (B) i++  
(C) +i+ (D) i+

(2) ..... holds address of a variable.

- (A) pointer (B) if  
(C) for (D) none of these

(3) ..... is not a looping statement used in C.

- (A) if (B) while  
(C) for (D) do-while

(4) ..... is collection of elements which are having same data types.

- (A) Array (B) Pointer  
(C) Union (D) Structure

P.T.O.

- (5) ..... is derived data type in C.
- (A) Union (B) Structure  
(C) Int (D) Array
- (6) The input statement in C is .....
- (A) for (B) if  
(C) switch (D) scanf
- (7) ..... is storage class in C.
- (A) Automatic (B) Good  
(C) Clrscr (D) None of these
- (8) If function is called by itself, then it is called as .....
- (A) Nesting (B) Recursion  
(C) Array (D) Pointer
- (9) ..... function is used copy one string to another.
- (A) stremp (B) step  
(C) cpst (D) strcpy
- (10) ..... operator is used to access member of structure using structure variable.
- (A) s \* p (B) s . p  
(C) s + p (D) s/p

### Theory

2. (a) What are the different operator used in C ? 5  
(b) Explain concept of array in detail. 5
- Or*
- (c) Explain Nested if statement with syntax and example. 5  
(d) Write a program to display fibonacci series. 5
3. (a) Explain storage classes in detail. 5  
(b) Explain concept of union. 5

*Or*

- (c) Explain data types used in C. 5
- (d) Write a program to describe concept of structure. 5
4. (a) Explain concept of user defined function. 5
- (b) Discuss any *two* string manipulation functions in detail. 5

*Or*

- (c) What are the I/O statements used in C ? 5
- (d) Write a program to sort array in ascending order. 5