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**B—451—2019**

**FACULTY OF SCIENCE**

**B.Sc. (Second Semester) EXAMINATION**

**MARCH/APRIL, 2019**

**(CBCS Pattern)**

**COMPUTER SCIENCE**

**Paper III**

**(Programming in 'C')**

**(MCQ+Theory)**

**(Monday, 29-4-2019)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Figures to the right indicate full marks.*

*(ii) All questions are compulsory.*

*(iii) Assume suitable data wherever necessary.*

**(MCQ)**

1. Select the correct alternative for the following : 10

(i) ..... is the conditional statement in 'C'.

(A) For

(B) If

(C) Scanf( )

(D) Printf( )

(ii) In the following list ..... is the looping statement.

(A) id

(B) switch

(C) for

(D) scanf( )

(iii) Scanf( ) is ..... statement.

(A) output

(B) looping

(C) input

(D) conditional

(iv) ..... is the conditional operator.

(A) size of

(B) >>

(C) ?;

(D) ==

P.T.O.

- (v) ..... is valid data type of C.
- (A) cnt (B) int  
(C) dnt (D) hmt
- (vi) ..... is the storage class in C.
- (A) getch( ) (B) register  
(C) putchar( ) (D) clrscr( )
- (vii) ..... function is used to combine one string to another.
- (A) strlen( ) (B) strcat( )  
(C) strcpy (D) none of these
- (viii) ..... function is used to close a file.
- (A) fopen( ) (B) fread( )  
(C) fwrite( ) (D) fclose( )
- (ix) ..... format specifier is used for integer data type.
- (A) %s (B) %d  
(C) %c (D) %f
- (x) ..... is used as null character.
- (A) \s (B) \n  
(C) \t (D) \o

**(Theory)**

2. (a) Explain do-while statement. 5  
(b) Explain control structures in C. 5
- Or*
- (c) Explain operators in C. 5  
(d) Write a program in 'C' to reverse digits of a number. 5

3. (a) Explain the concept of union. 5
- (b) Explain strlen( ) and strcat( ) functions. 5
- Or*
- (c) Explain the concept of pointer. 5
- (d) What is array ? Explain their types. 5
4. (a) Explain the concept of structure. 5
- (b) Explain input/output statement in 'C'. 5
- Or*
- (c) Explain the storage classes in C. 5
- (d) Write a program in 'C' to find the smallest number from a set of numbers. 5