

This question paper contains 3 printed pages]

AO—334—2018

FACULTY OF SCIENCE

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

MARCH/APRIL, 2018

(CBCS Pattern)

COMPUTER SCIENCE

Paper III

(Programming in C)

(MCQ+Theory)

(Wednesday, 25-4-2018)

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 right indicate full marks.

(MCQ)

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

(1) is the looping statement in C.

- (a) if (b) for
(c) continue (d) scanf ()

(2) is the conditional operator.

- (a) sizeof (b) >>
(c) ? : (d) = =

(3) is collection of related data items.

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

P.T.O.

- (4) is valid data type in C.
- (a) int (b) cnt
(c) wnt (d) ent
- (5) stores an address of another variable.
- (a) Function (b) Pointer
(c) Array (d) Union
- (6) is storage class in C.
- (a) clrscr (b) getch
(c) register (d) none
- (7) function is used to join two strings together.
- (a) strcmp (b) strlen
(c) strcpy (d) strcat
- (8) are the reserve words in C.
- (a) array (b) function
(c) keywords (d) identifier
- (9) is the operator used to access members of structure.
- (a) $s * p$ (b) $s . p$
(c) $s + p$ (d) $s - p$
- (10) is unconditional looping statement.
- (a) while (b) for
(c) goto (d) if

(Theory)

2. (a) Explain data-types in C. 5
(b) Explain control structures in C. 5
Or
(c) Explain operators in C. 5
(d) Write a program in C to check a given number is even or odd. 5
3. (a) What is array ? Explain with types. 5
(b) What is pointer ? Explain. 5
Or
(c) Explain string handling functions in C. 5
(d) Write a program in C to calculate factorial of a given number. 5
4. (a) What is structure ? Explain. 5
(b) Explain input, output statement in C. 5
Or
(c) Explain storage classes in C. 5
(d) Write a program in C to sort given names in alphabetical order. 5