

D-7113

M.Sc. (Ist Semester) Examination, 2020

COMPUTER SCIENCE

(Programming in C : Core and Advanced)

Time Allowed : Three Hours

Maximum Marks : 70

SECTION - A

Note : Attempt any 10 questions. Each question carries
one mark. **1×10=10**

Q. 1. Objective type questions :

Fill in the blanks :

- (i) _____ types of arrays are present in C
language.
- (ii) C programs can be converted into machine
language with help of _____.

D-7113

P.T.O.

D-7113

(2)

(iii) Malloc is a _____ function in C.

(iv) C programming language was created by
_____.

(v) _____ function is used to open data files
in C language.

Multiple choice questions :

(vi) The sign '=' is a :

- (a) Relation operator
- (b) Assignment operator
- (c) Special operator
- (d) Arithmetic operator

(vii) Maximum value of unsigned integer is :

- (a) –32767

(3)

(b) 32767

(c) 65535

(d) -65535

(viii) A real number by default is treated as :

(a) Double

(b) Long double

(c) Integer

(d) Float

(ix) A file represents sequence of :

(a) Text

(b) Bits

(4)

(c) Bytes

(d) String

(x) Member access operator in C is :

(a) *

(b) <<

(c) #

(d) •

(xi) In the passage of text, individual words and

punctuation marks are known as :

(a) Constants

(b) Operators

(5)

(c) Keywords

(d) Tokens

(xii) A NULL assigned pointer is also called :

(a) Null pointer

(b) Nil pointer

(c) Zero pointer

(d) None

SECTION - B

Note : Attempt any five questions. Each question carries

2 marks.

2×5=10

Q. 2. Very short answers/notes (upto 40 words) :

(i) Pointer variable

(ii) Union

(iii) Malloc function

D-7113

P.T.O.

(6)

(iv) Character array

(v) Break Statement

(vi) EOF

(vii) Nested loop

SECTION - C

Note : Attempt any five questions. Each question carries

4 marks.

5×4=20

Q. 3. Short answers/notes (upto 250 words) :

(i) Nested – If statement

(ii) Looping in C language

(iii) Discuss any two dynamic memory allocation units.

(iv) Three modes of file handling.

(v) Discuss pre-processor directive.

D-7113

(7)

(vi) Explain function with command line argument.

(vii) Discuss pointer arithmetics.

SECTION - D

Note : Attempt any three questions. Each question carries
10 marks. **3×10=30**

Q. 4. Long answers/notes (more than 500 words) :

- (i) Write a program to calculate simple interest using call by reference method.
- (ii) Describe the switch statement of C language.
- (iii) Explain Union in detail.
- (iv) Describe string handling functions in detail.
