

Student Roll No					
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

Example Student Roll No					
2	3	4	7	2	6
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9

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Paper Code: 78

MRD-XII-17 (A)
COMPUTER SCIENCE – (Part-II)
 (Fresh / New Course)

Total Time: 3hrs

Total Marks:75

Signature of Supdt.

FILL ROLL NO. COLUMN WISE FROM LEFT TO RIGHT ACCORDING TO EXAMPLE SHOWN ABOVE.

Time: 20min

"SECTION – A"

Marks: 15

NOTE: Use Black/Blue marker for shading only one bubble for each question. No mark will be awarded for Cutting, erasing, overwriting, and multiple bubble shading.

Q. 1 Choose the correct option i.e. A,B,C, and D.

- i. An operating system is
 - (A) System software
 - (B) Application software
 - (C) Driver
 - (D) None of these
- ii. DOS stands for
 - (A) Document of System
 - (B) Disk Operating System
 - (C) Doctor of System
 - (D) None
- iii. Multi-programming refers to
 - (A) Having several programs in RAM at the same time
 - (B) Multiprocessing
 - (C) Writing programs in multiple languages
 - (D) none
- iv. Which of the following is not an operating system?
 - (A) Linux
 - (B) MS Word
 - (C) Unix
 - (D) Windows XP Professional
- v. The first step in system development life cycle is
 - (A) Planning
 - (B) Design
 - (C) Problem identification
 - (D) Development and document
- vi. Enhancement, up-gradation and bugs fixation are done during the step in SDLC.
 - (A) Maintenance and evaluation
 - (B) Design
 - (C) Problem identification
 - (D) Development and documentation
- vii. What does the given expression evaluate to? $E=6+5*4\%3$
 - (A) 1
 - (B) 8
 - (C) 11
 - (D) None of these
- viii. Each C++ statement is ended by a symbol called
 - (A) Statement terminator
 - (B) Function
 - (C) Array
 - (D) None
- ix. is a word in C++ language that has a predefined meaning and purpose.
 - (A) Reserved words
 - (B) Variable
 - (C) Data
 - (D) All of the these
- x. A ternary or conditional operators takes operands.
 - (A) Two
 - (B) Three
 - (C) Four
 - (D) None
- xi. Looping in a program means
 - (A) Jumping to a specific branch of program
 - (B) Repeat the specified line of code
 - (C) Both A & B
 - (D) None
- xii. A collection of data items of the same type, placed in contiguous memory location is called
 - (A) Record
 - (B) Array
 - (C) Program
 - (D) File
- xiii. The location number of an item in an array is called
 - (A) Data
 - (B) Value
 - (C) Index
 - (D) Constant
- xiv. We declare a function with if it does not have any return type.
 - (A) Long
 - (B) Double
 - (C) Void
 - (D) Int
- xv. The area where a variable can be accessed is called
 - (A) Scope of variable
 - (B) Lifetime of variable
 - (C) Global variable
 - (D) None

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MRD-XII-17 (A)
COMPUTER SCIENCE - (Part-II)
(Fresh / New Course)

Time Allowed: 2:40 Hrs

Section – B & C

Total Marks: 60

"Section – B"

Marks: 36

Q. 2: Write short answer of any NINE of the following parts. Each part carries equal marks.

- (i) What is an operating system?
- (ii) List the different types of operating system.
- (iii) Show the different states of a process using a blocked diagram.
- (iv) List the different functions of an operating system.
- (v) What do you know about SDLC?
- (vi) Differentiate between an array and variable.
- (vii) What are the different naming rules for naming variable in C++?
- (viii) How variables are declared and initialized in C++.
- (ix) What are the commonly used input/ output functions/ streams in C++?
- (x) Differentiate between unary, binary and ternary operators.
- (xi) Write the syntax of if-else structure.
- (xii) Distinguish between one dimensional array and two dimensional array.

"Section – C"

Marks: 24

NOTE: Attempt any THREE questions. Each question carries equal marks.

- Q. 3:** Why an operating system is so important for a computer system? Explain the functions of an operating system.
- Q. 4:** Explain the various phases of system development life cycle.
- Q. 5:** Write a C++ program to find out the maximum value between two integers using if-else.
- Q.6:** Define default arguments. Describe the advantages and disadvantages of default argument.