

Note: There are three sections in this paper i.e A, B & C.

VERSION .

Instructions:

- Please attempt Section-A on the MCQs Answer Sheet only.
- Only black ball point or marker may be used for shading the relevant circle.
- Please make sure that there is no cutting, over writing, erasing, or multiple circles shading.

Time Allowed: 20 Minutes

"Section - A"

Marks: 2

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

- Which of the following languages is a subset of C++ language.
☒ A C ☐ B Java ☐ C VB ☐ D C#
- A collection of data items of the same data types placed in contiguous memory locations is
☐ A Record ☒ B Array ☐ C Program ☐ D File
- A constructor is called whenever a/an
☐ A Object is destroyed ☒ B Object is created ☐ C Class is declared ☐ D Class is left
- A technique in which a process, executing an application, is divided into threads that can run concurrently is called
☒ A Multithreading ☐ B Multiprocessing ☐ C Batch processing ☐ D Multiprogramming
- System maintenance is performed in response to
☐ A Business changes ☐ B Hardware and software changes ☐ C User request for additional changes ☒ D All of the above
- The location number of an item in an array is called
☐ A Data ☐ B Value ☒ C Index ☐ D Constant
- Which of the following is selection statement in C++?
☒ A Break ☐ B Go to ☐ C Exit ☐ D Switch
- The location number of an item in an array is called
☐ A Data ☐ B Value ☒ C Index ☐ D Constant
- A text has the extension
☐ A .doc ☐ B .xls ☒ C .txt ☐ D text
- Constructors are commonly used for
☐ A Constructing programs ☐ B Running classes ☒ C Initializing objects ☐ D All of the above
- _____ is the deference operator.
☒ A * ☐ B + ☐ C & ☐ D \$
- Which of the following is not a looping statement in C++?
☐ A While ☒ B Until ☐ C For ☐ D Do-while
- The extension of C++ language program is
☒ A .cpp ☐ B .h ☐ C .c ☐ D .mdb
- Every C++ program must have at least function(s).
☒ A 1 ☐ B 2 ☐ C 3 ☐ D 4
- Variables inside parenthesis of function declarations have level access.
☒ A Local ☐ B Global ☐ C Module ☐ D Universal

P-353

MRD-12TH 2025 (A-I)
Computer Science
(Part-II)

Total Time: 3 Hours

Total Marks: 60

Time Allowed: 2.10 Hours

"Section – B"

Marks: 36

Q-2. Write short answers to any nine (9) of the following parts. All parts carry equal marks:-

- (i) Differentiate between Multitasking and Multiprogramming.
- (ii) Write the general syntax of do-while loop..
- (iii) What are the advantages and disadvantages of Array in C++?
- (iv) Differentiate between Threads and Process.
- (v) What is the difference between the reference operator (&) and dereference operator (*)?
- (vi) What do you know about Algorithms? Give an example.
- (vii) Write different types of file.
- (viii) Differentiate between default constructor and user-defined constructor.
- (ix) Write any four features of Windows operating system.
- (x) Define string in C++. How string is initialized?
- (xi) Differentiate between built in function and user defined function?
- (xii) Write the general syntax of switch statement.

"Section – C"

Marks: 24

Note: Answer any three (3) questions. All questions carry equal marks:-

- Q-3. Write a program using for loop that prints odd numbers from 1 to 9.
- Q-4. Explain four (4) kinds of C++ operators with examples.
- Q-5. What do you know about decision statement? Explain different decision statements..
- Q-6. What is object? How objects are created to access members of a class.