Manipur Board 2026 Class 12 Computer Science Question Paper (Memory Based)

Time Allowed :3 Hour	Maximum Marks :70	Total Questions :36

General Instructions

Read the following instructions very carefully and strictly follow them:

- The exam lasts 3 hours.

- The theory paper is typically worth 70 marks, with the remaining 30 marks allocated to the practical examination.

- The paper is divided into three sections:
  Section A: 10 questions of 1 mark each, requiring brief answers (approx. 20–30 words).
  Section B: 5 questions of 3 marks each, requiring longer answers (approx. 100–150 words).
  Section C: 5 questions of 5 marks each (approx. 250–300 words), often with internal choice options.

- All sections are generally compulsory, but internal choices are provided within specific questions.

- For any discrepancy in questions, the English version is considered final (except for language-specific papers).

- Students are granted an extra 15 minutes specifically to read the question paper and plan their answers before writing begins.

1. Write a Python function to count the number of vowels in a given text file named `story.txt`.

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2. Explain the difference between `list.append()` and `list.extend()` with a code example.

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3. Write a program to implement a Stack using a Python list with push and pop operations.

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4. What is the difference between a Hub and a Switch in computer networking?

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5. Define IP Address and explain the difference between IPv4 and IPv6.

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6. Write the SQL command to create a table named `STUDENT` with columns `RollNo`, `Name`, and `Marks`.

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7. Differentiate between `DELETE` and `DROP` commands in SQL.

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8. What is the purpose of the `ORDER BY` clause in a `SELECT` statement?

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9. Explain the role of a Gateway in connecting two dissimilar networks.

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10. What are the advantages of using Optical Fiber over Coaxial Cable for data transmission?

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11. Explain Method Overloading in the context of polymorphism.

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12. Write a Python program to find the factorial of a number using a recursive function.

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13. Define Cyber Ethics and list two common netiquettes every user should follow.

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