

WB Board Class 12 Modern Computer Applications Question Paper(Memory Based)

Time Allowed :3 Hour	Maximum Marks :60	Total Questions :24
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General Instructions

Read the following instructions very carefully and strictly follow them:

- Answers to this Paper must be written on the paper provided separately.
- You will not be allowed to write during the first 15 minutes
- This time is to be spent in reading the question paper.
- The time given at the head of this Paper is the time allowed for writing the answers,
- The paper has four Sections.
- Section A is compulsory - All questions in Section A must be answered.
- You must attempt one question from each of the Sections B, C and D and one other question from any Section of your choice.

1. Realize the basic gates (AND, OR, NOT) using only NAND or NOR universal gates.

2. Explain the working of a 4×1 Multiplexer (MUX) with its function table and logic circuit.

3. Prove the De Morgan's Theorems using a truth table.

4. Differentiate between Guided (Twisted Pair, Fiber Optic) and Unguided (Radio, Microwave) transmission media.

5. Explain the difference between Packet Switching and Circuit Switching.

6. Create an HTML Table showing "Subject" and "Marks" with a border of 2 pixels.

7. What is the difference between a Static and Dynamic webpage?

8. Write the steps to use the VLOOKUP function to find data in a large spreadsheet.

9. What is Data Normalization, and why is it necessary for a database?
