MAY 2025 **U/ID 31636/UNH3A**

Time : Three hours Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer any TEN questions in 30 words each.

1. What is a computer system?

2. Name the first generation of modern computers.

3. Write a note on primary characteristic of a digital computer?

4. Give the full form of RAM and ROM?

5. What is volatile memory? Give an example.

6. State the main difference between RAM and Hard Disk.

7. Convert the decimal number 5 to its binary equivalent.

8. What is a Number System?

9. Brief on Software Package.

10. Differentiate between System Software and Application Software.

11. State the purpose of MS-Word.

12. What is Web Mapping?

PART B — (5 × 5 = 25 marks)

Answer any FIVE questions in 200 words each.

13. Discuss the characteristics of the Second Generation of modern computers.

14. Explain the key differences between Microcomputers and Minicomputers.

15. Write a short note on the importance of output devices.

16. Differentiate between Memory and Processor in a hardware system.

17. Explain the process of converting a decimal number to its binary equivalent with an e.g.,

18. Differentiate between Application Software and System Software with relevant examples.

19. Explain the process and core components involved in a Web Mapping Application.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions in 500 words each.

20. Describe the Generations of Modern Computers, highlighting the major technological advancements and characteristics of each.

21. Distinguish between Primary Memory and Auxiliary Storage Devices.

22. Explain the concept of Number Systems in detail, with illustration.

23. Elaborate on the different categories of Software and explain their functions.

24. Explain the key components and architecture of a typical Web Mapping Application.

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