

PRACTICE SET

End Semester Examination, December, 2025

Program: DIPLOMA (MINING/ CSE)

Semester: I

Subject: Fundamentals of Computer

Subject Code: 8DESC101 & 3DESC101

UNIT-I

Section A (5 Marks)

1. Define a computer. List the main types of computers.
2. Explain the characteristics of a computer.
3. Define the differences between the first-generation computers, Second generation and the Third -generation computers.
4. Differentiate between high-level and low-level computer languages.
5. What are the basic components of computer system?

Section B (10 Marks)

6. Explain programming language? What are the types of programming language?
7. Explain the block diagram of a computer and its various components.

Section C (20 Marks)

8. Describe the different types of computer memory (primary and secondary memory) and explain their characteristics, advantages, and disadvantages. What are the various types of input devices? Explain the working of any three input devices with examples.

UNIT-II

Section A (5 Marks)

9. What are the components of the MS-Word screen?
10. List the basic features of a spreadsheet.
11. Write a short note on the uses of MS-PowerPoint.
12. What are the elementary steps to start MS-Excel?
13. Define PowerPoint and explain its importance.

Section B (10 Marks)

14. Explain the key features and functions of MS-Word.
15. Discuss the components of an MS-Excel screen and their functions.

Section C (20 Marks)

16. Compare the functionalities of MS-Word, MS-Excel, and MS-PowerPoint with examples.
17. Prepare a detailed explanation on how to create and format a spreadsheet and a PowerPoint presentation.

UNIT-III

Section A (5 Marks)

18. What is data communication? Explain with an example.
19. What do you mean by the Internet? Explain with its history.
20. What is WWW and a web browser?
21. What is an email account? Mention its key features.
22. Write a short note on cyber security.
23. Define a computer virus and its impact on systems.

Section B (10 Marks)

24. What do you mean by a computer network? Explain with its types.
25. Discuss the importance of hyperlinks and tables in HTML with examples.
26. What is the difference between ``, ``, and `<dl>` lists?

Section C (20 Marks)

27. Discuss HTML in detail, including its structure, tags, and formatting techniques with examples.
28. Difference between an ordered list and an unordered list. Describe the structure of an HTML document with a suitable example.

UNIT-IV

Section A (5 Marks)

29. Write a short note on social networking.
30. Define mobile computing with examples.
31. What is the Internet of Things (IoT)? Explain briefly.
32. What is social networking
33. Mention the current IT tools and their significance.
34. What is artificial intelligence? Provide two examples of its applications.

Section B (10 Marks)

35. Explain the concept of cloud computing and its applications.
36. Discuss the role of IT in database management.
37. Describe the application of computer technology in data analysis.
38. What is cloud storage? Give examples

Section C (20 Marks)

39. Write a comprehensive note on IoT and Internet of Everything (IoE), explaining their components and uses.
40. Discuss in detail the role of IT in various fields like artificial intelligence, database management, and data analysis.

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Disclaimer: - This is a Practice set. The Question in End term examination will differ from the Practice set. This Practice set is meant for practice only.