

End Semester/ Reappear (Semester I) Examination December, 2024

Programme: Diploma (MiE/CSE)
Course: Fundamentals of Computer
Course Code: 8DESC101/3DPC C101
Enrolment no. _____

Full Marks: 70
Time: 3 Hrs.

Section I

- 1. Short Answer type questions. Answer any four. 4 x 5 = 20**
- Compare the first-generation computers, Second generation and the Third -generation computers.
 - Mention the current IT tools and their significance.
 - Write a short note on the uses of MS-PowerPoint.
 - Differentiate between high-level and low-level computer languages.
 - Discuss about the main components of a computer system.
 - Write a short note on cyber security.

Section II

- Long Answer type questions. Answer any three. 3 x 10 = 30**
- Explain the different types of computer memory with examples.
 - Describe the different types of networking topologies with suitable examples for each one.
 - Explain the structure and working of an HTML document. Define List, Form and Table tags in HTML.
 - Define an operating system and enumerate its features.
 - What do you mean by a database model? Explain its types.

Section III

- Application based questions. Answer any one. 1 x 20 = 20**
- Compare and contrast different types of computer languages with examples and their specific applications.
 - Prepare a detailed explanation on how to create and format a spreadsheet and a PowerPoint presentation.
 - Discuss in detail the role of IT in Artificial Intelligence and Data Analysis.
 - Analyze the significance of the different layers of OSI model.
