

2023

FUNDAMENTALS OF COMPUTER APPLICATION

Full Marks: 100

Time: Three hours

The figures in the margin indicate full marks for the questions.

Answer any five questions.

1. a) What is computer? How does it process data? 2+4
b) What is the purpose of the main memory in a computer? 6
c) What is mean by a secondary storage device? Explain any 3 types secondary storage devices in brief. 2+6
2. a) Define algorithm and flowchart. 3+3
b) What are language translators? What is its importance in computer? 3+3
c) Explain about machine language and assembly language. 4+4
3. a) Differentiate between the characteristics of static RAM and dynamic RAM. 6
b) What is number system? Explain about the various types of number system? 2+6
c) How will you convert decimal number to the binary form? Explain steps with suitable example. 6
4. a) What do you mean by data communication? List its five basic elements. 4
b) What is the function of networking devices? Explain any two types of network devices. 4+4
c) What is HTML and Dynamic HTML? Explain the basic structure of a HTML document. 4+4
5. a) Explain the following - 4x5=20
i) Types of computer network
ii) Internet Service Provider
iii) TCP/IP and internet
iv) Impacts and benefits of E-commerce
6. Write short notes on the following 4x5=20
a) Analog, digital & hybrid computer.
b) Internet and WWW
d) Memory hierarchy
e) System and application software
