

2124

B. Voc. (Hardware and Networking) FYUP

First Semester

BIN-101: Basics of Computer Systems

Time allowed: 3 Hours

Max. Marks: 80

NOTE: Attempt five questions in all including Question No. 1 which is compulsory and selecting one question from each Unit

1-1-1

I. Write a note on:

- a) Antivirus
- b) Telnet
- c) Hardware, Software and Firmware
- d) Cloud Computing

(16)

UNIT - I

II. Explain the following computer codes:

- a) Binary
- b) Decimal
- c) Hexadecimal
- d) Octal

(16)

III. What are the five generations of computers? Briefly explain the key features of each. (16)

UNIT - II

IV. What are network topologies? Explain different types of topologies with simple diagrams. (16)

V. Write a short note on internet and explain its importance in today's world. What are the different methods to access the internet? (16)

UNIT - III

VI. What is a computer virus? Explain its types. How do computer viruses impact the system? (16)

VII. What is multimedia? Discuss its different components. Explain the hardware requirements for multimedia applications. (16)

P.T.O.

(2)

UNIT - IV

- VIII. What is the Internet of Things (IoT)? State its main components. Also list and explain some common applications of IoT. (16)
- IX. What is parallel and distributed computing? What are the main differences between both? Discuss the advantages and limitations of parallel and distributed computing. (16)

X-X-X