

1129

B.E. (Information Technology)

First Semester

IT-101: Introduction to Information Technology

Time allowed: 3 Hours

Max. Marks: 50

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

x-x-x

I. Define the following:-

- a) Machine Language
- b) Kernel
- c) Encryption
- d) Phishing
- e) Entity
- f) Integrity
- g) HTTP
- h) Virus
- i) Hacking
- j) Cryptography

(10x1)

UNIT - I

II. a) Describe the different parts of computer with neat diagram.

b) Discuss various physical devices used to construct memories. (5+5)

III. Discuss the different types of error detecting techniques with the help of suitable examples. (10)

IV. a) Explain the memory hierarchy.

b) What are I/O ports? Explain their significance and functionality. (5+5)

UNIT - II

V. a) Compare and contrast the multitasking, multiprogramming and multiprocessing operating system.

b) Differentiate between RISC and CISC (6+4)

P.T.O.

(2)

- VI. a) Describe in details different generations and classification of computers.
b) Explain the different components of DBMS with neat diagram. (5+5)

VII. Write a short note on any two of the following:-

- a) Web Search Engine
b) Cyber law and Cyber crime
c) Passive LAN Components (5+5)

x-x-x