

Exam.Code:0905
Sub. Code: 6655

1128
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. Attempt the following:-

- a) What are the different characteristics of computers?
- b) What is the use of storing data in registers?
- c) What do you mean by system software and application software? Give some examples of Application Software.
- d) What is TCP/IP protocol?
- e) Write any two methods to recover data from attacks. (5x2)

UNIT - I

- II. a) What are the basic components of a computer system? Discuss each part in detail with the help of a block diagram
- b) Perform binary subtraction using 2's complement
 - (i) 10101010-01010101
 - (ii) 01010101-10101010 (6,4)
- III. a) How can you classify the programming languages? What is the difference and relation between machine code, assembly language and high level languages?
- b) What is the different between ASCII and BCD codes? (5,5)

IV. Write short note on:-

- a) CPU storage devices
- b) Assembly languages (5,5)

UNIT - II

- V. a) What are the different types of operating systems available? Discuss in detail about network operating system.
- b) What are the different categories of Data models? Explain briefly? (5,5)

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(2)

- VI. a) What are the fourth generation languages? How these are different from high level languages?
- b) Describe briefly the working of LAN? Differentiate between Fast Ethernet and Gigabit Ethernet? (5,5)
- VII. a) Write note on any two of the following:-
- a) WWW
- b) Domain Name system
- c) Cyber Crime (5,5)

x-x-x