



INDIAN INSTITUTE OF MATERIALS MANAGEMENT
Post Graduate Diploma in Logistics Management

Dec 2011

PAPER - 8.1
INFORMATION TECHNOLOGY (Theory)

Date: 13.12.2011

Time : 2.00 p.m. to 3.30 p.m

Max Marks: 50

Duration: 1 ½ Hrs

Instructions:

1. From Part "A" answer all the questions (compulsory). Each sub-question carries 1 mark. **Total marks = 10**
2. From Part "B" answer any **FOUR** questions out of nine questions. Each sub-question carries 10 marks.
Total marks = 40
3. Answers should be precise, brief and to the point.

PART - A

Q.1 Fill in the blanks.

1. are used in weather forecasts.
2. PDA stands for
3. is used to control the entire production process.
4. The is very commonly used for synchronizing hardware and software to produce electronic notes.
5. The is world wide network of computers.
6. device is used to communicate through telephone lines.
7. A is a schematic representation of a process.
8. The machine and its components are called
9. The first counting tool was the
10. Vacuum tube based electronic computers belong to

PART - B

Q.2 Convert the following numbers.

a) $(243)_8 = ()_{10}$

b) $(110111001)_2 = ()_{10}$

c) $(10100011)_2 = ()_{10}$

d) $(1998)_{10} = ()_2$

e) $(12.0625)_{10} = ()_2$

Q.3 Explain in detail all types of secondary storage devices.

Q.4 Elaborate the components of the UNIX operating system.

Q.5 What are the different types of common business applications environment for a database server? Explain in detail.

Q.6 Write a short note on:

- a) Virtual Memory
- b) RISC

Q.7 Explain different network topologies.

Q.8 Expand the following:

- | | | | |
|----------|----------|---------|---------|
| a) COBOL | b) HLL | c) BLOB | d) HTML |
| e) FTP | f) SQL | g) CPU | h) CISC |
| i) RAID | j) EDSAC | | |

Q.9 Give a brief introduction to data warehousing.

Q.10 Explain the classification of software.