



INDIAN INSTITUTE OF MATERIALS MANAGEMENT  
Post Graduate Diploma in Logistics Management

June 2015

PAPER - 8.1  
INFORMATION TECHNOLOGY (Theory)

Date: 16.06.2015

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.
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PART – A

(10 x1 = 10 marks)

**Q.1 Fill in the blanks.**

- I. The \_\_\_\_\_ protocol allows any internet site to provide web page.
- II. ALU handles the numbers in \_\_\_\_\_ number system only.
- III. The first counting tool was the \_\_\_\_\_.
- IV. Transistors involved in the \_\_\_\_\_ generation of computers.
- V. The Integrated circuits signified the beginning of the \_\_\_\_\_ generation of computers.
- VI. One Tera Byte equal to \_\_\_\_\_ Mega Bytes.
- VII. The table that enables the computers to locate data easily is called \_\_\_\_\_.
- VIII. Machine language is written in \_\_\_\_\_.
- IX. The optical disks that has both read and write capabilities is called \_\_\_\_\_.
- X. Before a disk can be used for storage it should first be \_\_\_\_\_.

PART – B (any four )

4 x10 = 40 marks

Q.2 a) Draw and explain a general diagram of digital computer architecture. Also discuss in detail the RISC & CISC architecture.

b) Convert following binary numbers to decimal numbers.

- I. 11111110
- II. 11111111
- III. 00001000
- IV. 00000100
- V. 00000010
- VI. 00000001
- VII. 10000000
- VIII. 10001000

Q.3 a) Explain in details the working of an electronic mail and also discuss few free email providers.

b) Differentiate between the POP Mail and web based e-mail.

Q 4 Explain in detail

a) Batch processing and real-time processing

b) Cloud computing

Q.5 Write short notes on

a) Operating System

b) Data base management system

Q.6 a) what is computer virus? How it works and spreads?

b) What is e-business? What are their models?

Q7 Elaborate. Modes of transmission and communication channels.

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