



INDIAN INSTITUTE OF MATERIALS MANAGEMENT
Post Graduate Diploma in Logistics Management

June 2014

PAPER - 8.1
INFORMATION TECHNOLOGY (Theory)

Date: 17.06.2014

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 (1 x 10 = 10 marks)

Q.1 Fill in the blanks.

1. A binary digit called has a value or
- 2 is a kind of structured English for describing algorithms.
3. A is a schematic representation of a process.
4. is the software, which generally comes with the operating systems.
5. software is also a kind of graphics software.
6. The base of decimal number system is
7. Plotter is the type of device.
8. holds permanent data or instruction.
9. is a presentation tool.
10. is used to directly draw the figures on the screen of the monitor.

PART – B (any four) 10 x4 = 40 marks

Q.2 Solve the following examples

1. $(110101.11)_2 = ()_{10}$
2. $(1011.011)_2 = ()_{10}$
3. $(10100011)_2 = ()_{10}$
4. $(110111001)_2 = ()_{10}$
5. $(10.10001)_2 = ()_{10}$

Q.3 Describe various types of input devices and differentiate amongst them.

Q.4 Briefly explain the security techniques in an operating system.

Q.5 What are the different browsers used on the internet? Differentiate between them.

Q.6 What are the advantages and disadvantages of a broad band channel over a narrow band channel? Explain in detail.

Q.7 Write a short note on:

- a) Virtual Memory
- b) SCSI

Q.8 With the help of diagram explain the WAP Architecture.

Q.9 Illustrate the different components of multimedia.

Q. 10 Expand the following:

- | | |
|----------|------------|
| a) CISC | b) RISC |
| c) S-RAM | d) MAN |
| e) URL | f) FORTRAN |
| g) CD | h) DBMS |
| i) SQL | j) DNS |
