



INDIAN INSTITUTE OF MATERIALS MANAGEMENT  
Post Graduate Diploma in Logistics Management

June 2015

PAPER – 8 (New)  
IT Enabled Logistics Management

Date: 16.06.2015  
Time : 2.00 p.m. to 5.00 p.m

Max Marks: 100  
Duration: 3 Hrs

Instructions:

1. From Part "A" answer all the questions (compulsory). Each sub-question carries 1 mark. Total marks = 32
2. From Part "B" answer any three questions out of five questions. Each sub-question carries 16 marks.

3. Part "C" is a case study (compulsory)

Total marks = 48  
Total marks = 20

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**PART – A (compulsory)**

32 x1 = 32 marks

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

- I. The \_\_\_\_\_ protocol allows any internet site for mobile applications.
- II. Machine language is always in \_\_\_\_\_ number system only.
- III. Electronic Commerce is a part of \_\_\_\_\_ Business.
- IV. \_\_\_\_\_ Software controls the inventory in the organization.
- V. Exceptional reports are required by \_\_\_\_\_ Management employees.
- VI. Business process reengineering is required prior to implementation of \_\_\_\_\_.
- VII. Before a disk can be used for storage it should first be \_\_\_\_\_.
- VIII. Implementation of \_\_\_\_\_ software involves every employees of an organization.

**Q.2 Indicate whether the following statements are TRUE or FALSE.**

- i. Communication media is not network hardware.
- ii. Network applications are part of network software.
- iii. MODEM is network software.
- iv. Internal Modem needs physical cable connection.
- v. Wireless Modem is used in portable laptop computers.
- vi. Electrical noise influences the data transmission through optic fiber.
- vii. TCP/IP is a communication protocol.
- viii. Data transfer between computers takes place through asynchronous transmission.

**Q.3 Give full description for following terms.**

- i. NIC \_\_\_\_\_
- ii. MODEM \_\_\_\_\_
- iii. PSTN \_\_\_\_\_
- iv. MAN \_\_\_\_\_
- v. ISDN \_\_\_\_\_

vi. C2C\_\_\_\_\_

vii. EDI\_\_\_\_\_

viii. GIS\_\_\_\_\_

**Q.4 Match Keywords of Table-A with the function indicated at Table-B.**

Table-A

i. ERP

ii. JIT

iii. EDI

iv. B2B

v. PERT

vi. Excel

vii. Free lance graphic

viii. Unix

Table-B

a) Direct transfer

b) Electronic commerce

c) Business processes

d) Inventory

e) Electronic spreadsheet

f) Production planning

g) Operating system

h) Presentation

**PART – B**

**16 x 3 =48 marks**

**(Answer any three question. Each question carry 16 marks)**

**Q.5. Explain the followings.**

i. E-purchasing

ii. E-procurement

**Q.6 Write short notes**

i. EDI

ii. GIS

**Q.7 Give short write-up on:**

i. IT based Inventory planning for manufacturing

ii. IT based Inventory planning for retailing

**Q. 8 i.** What is inventory? Why it needs to be manage.

li. Give details on classifications of inventory types.

**Q. 9 i.** Define Supply Chain Management

ii. How SLA & NDA are concluded in an organization?

## **PART – C**

**(20 marks)**

### **Q.10 Read the following case and answer:**

Aklin Carbide (Pty) Ltd is a pump company specializing in the reconditioning and re-engineering of plant and mine-drainage pumps. Aklin Carbide is also one of the leading suppliers of erosion / corrosion resisting technology for pumping in the world today. Surface engineering company Aklin Carbide (Pty) Ltd is benefiting from improved efficiencies and highly reliable data access following the implementation of a SAP Business One accounting and ERP software solution designed and installed by business software solutions provider 4most.

The solution includes financials, general ledger, accounts payable, accounts receivable, cashbook, purchasing, sales inventory and workflow approval procedures and alerts, operating on a local area network (LAN).

Based in Vereeniging, Aklin Carbide required a unique solution for its operations, focused on the turnkey repair and re-conditioning of a wide range of mine water and petrochemical pumps as well as other engineering components.

Aklin Carbide financial director Mark Stewart said the company had been using a spreadsheet system for all of its functions and for the capture of data. "There was a lot of data repetition and linking and sharing of information was difficult with errors tending to creep in to the point that the reliability of our data was suspect. A decision was then made to seek out a better way of doing things and "4most" was approached for a SAP Business One solution." Data input is now done once and is easily and very reliably available to multiple users within the company.

Based on the case study, address the following points:

1. What are the major benefits gained through implementation of ERP by Aklin Carbide?
2. Which company is service provider? What are the inputs that may have gone in to their study?
3. How data redundancy is eliminated through SAP Business one solution?
4. Does the solution also cover the business process of manufacturing?

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