



**INDIAN INSTITUTE OF MATERIALS MANAGEMENT**  
**Post Graduate Diploma in Materials Management**  
**Graduate Diploma in Materials Management**  
**PAPER No. 4 (New)**  
**INFORMATION TECHNOLOGY & E-COMMERCE**

**June 2016**

**Date: 14.06.2016**

**Max Marks: 100**

**Time : 2.00 p.m. to 5.00 p.m.**

**Duration: 3 Hrs**

**Instructions:**

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|--|-------------------------|
| 1. From Part "A" answer all the questions (compulsory). Each sub-question carries 1 mark.          | <b>Total marks = 32</b> |
| 2. From Part "B" answer any three questions out of five questions. Each question carries 16 marks. | <b>Total marks = 48</b> |
| 3. Part "C" is a case study (compulsory)   | <b>Total marks = 20</b> |
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**PART - A**

**(compulsory). Each sub-question carries 1 mark. 32 marks**

**Q.1 Fill in the blanks: (8 marks)**

1. .... is a system that allows customers to pay by credit card without revealing the credit card number to the merchant.
2. The term ..... refers to the physical components of the computer.
3. .... is the temporary storage device.
4. .... processors are used in special purpose applications.
- 5 The ..... is having substantial impacts on economic performance.
6. .... is the main centre of the UNIX operating system.
7. .... are the most powerful computers.
8. CPU stands for .....

**Q.2 . Match the following: (8 marks)**

- | <b>A</b>             | <b>B</b>                          |
|----------------------|-----------------------------------|
| 1. BASIC             | a. Charles Babbage                |
| 2. Difference Engine | b. Dr. Hermann Hollerith          |
| 3. Adding Machines   | c. First special purpose computer |
| 4. Punch Card        | d. Computer language              |
| 5. ABC               | e. Stored program concept         |
| 6. EDSAC             | f. First commercial computer      |
| 7. Univac-I          | g. First calculating device       |
| 8. Abacus            | h. Blaise Pascal                  |

**Q. 3. Say true or false:**

**(8 marks)**

1. ERP solutions provide a single centralized framework.
2. EDI standards include controls designed to protect against errors in, and corruption of, the message.
3. Program is a set of instructions.
4. Plotter is an input device.
5. Cache memory has the shortest access time.
6. IT plays key role in accessing changing business requirements.
7. ALU is the brain of computer system.
8. Power Point is a spreadsheet program.

**Q. 4. Write the full forms of the following:**

**(8 marks)**

1. DNS
2. VLIC
3. ISP
4. CAD
5. LAN
6. SAP
7. PDA
8. FGC

Part – B

**(48 marks)**

(Answer any three questions out of five questions. Each question carries 16 marks).

- Q. 5 How would you implement ERP system in an organization? Discuss advantages and disadvantages of its implementation.
- Q. 6 Explain database management system and its applications in detail.
- Q. 7 What is an information system? Explain its types in detail.
- Q. 8 Define operating system? What are various functions of OS? Compare windows and Linux operating system.
- Q. 9 Explain the following terms in detail:
  - a) EDI
  - b) Network Protocols

Part – C (Compulsory)

(20 marks)

**Q. 10 Case study:**

It's not easy to sell any product, and to gain momentum to grow sales is just as challenging.

Jessica, the founder of Raw Generation, similar to all small businesses, went through a phase of figuring out how to generate sales. She had to figure out how to position her juicing product, and what is the most effective way to generate more sales. In this case study, how IT and e-commerce solutions will handle the role?

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