



INDIAN INSTITUTE OF MATERIALS MANAGEMENT

Post Graduate Diploma in Materials Management

June 2012

Graduate Diploma in Materials Management

PAPER No. 4

IT and E-COMMERCE

Date: 12.06.2012

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 question carries 16 marks.

Total marks = 48

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

Total marks = 20

PART - A

Q.1 Fill in the blanks.

- i. are the most powerful computers.
- ii. processors are used in special purpose applications.
- iii. PDA stands for
- iv. The is the address on the web that you are visiting.
- v. The unit controls the entire operations of the computer..
- vi. The main memory also known as the
- vii. The is a read write memory.
- viii. is non volatile in nature.

Q.2 Expand the following:

- | | | | |
|---------|---------|---------|--------|
| 1) ALU | 2) MROM | 3) DRAM | 4) DHT |
| 5) VSAT | 6) DBMS | 7) SQL | 8) CAD |

Q.3 Match the following.

- | | |
|-------------------------------|---------------------------------------|
| 1. Abacus | a) Transistors |
| 2. Difference Engine | b) VLSI |
| 3. Punch Card | c) Vacuum Tube |
| 4. Mark I | d) Integrated Circuits |
| 5. 1 st Generation | e) First calculating device |
| 6. 2 nd Generation | f) Charles Babbage |
| 7. 3 rd Generation | g) Dr. Herman Hollerith |
| 8. 4 th Generation | h) First electromechanical calculator |

Q.4 State true or false

- i. IT plays key role in accessing changing business requirements.
- ii. ERP solutions provide a single centralized framework.
- iii. Mouse is output device.
- iv. 4)PROM is a read only memory.
- v. Software is the physical components of a computer.
- vi. The DigiCash is an electronic system for sending money over internet.
- vii. PowerPoint is a presentation tool.
- viii. DBMS provides well organized collection of data.

PART - B

Q.5 What is meant by credit card? What are the various technical issues involved in the payment made through credit card explain in detail. List the various credit/debit card available in the market.

Q.6 Elaborate in detail a business process re-engineering and discuss the role played by IT in BPR..

Q.7 Write a short note on :

- | | |
|-----------------------------|-------------------------|
| 1) Storage Devices | 2) Application Software |
| 3) Features of windows 2000 | 4) RFID |

Q.8 Explain the functions of following operations in Access.

- | | | | |
|-----------|---------------|-----------|------------|
| 1) Tables | 2) Queries | 3) Forms | 4) Reports |
| 5) Pages | 6) Slide Show | 7) Macros | |

Q.9 Explain the following operations in Excel .

- | | | |
|-----------------|-------------------------------|--------------------------------|
| 1) Alignment | 2) Font Formatting | 3) Formatting Rows and Columns |
| 4) Sorting Data | 5) Adding comments | 6) Adding header and footer |
| 7) Auto Fill | 8) Inserting Rows and Columns | |

PART – C

Q. 10 Case study (Compulsory)

European aircraft manufacturer Airbus received 'The Best RFID implementation' award in May 2008. The award was given for the successful implementation of RFID technology in its operations with an objective to improve the company's operational efficiency. Airbus, a leading aircraft manufacturer in the world, had a complex supply chain including multiple assembly plants and thousands of suppliers. The company followed a principle of continual improvement of its operations. Airbus' efforts to improve its operating efficiency included projects like Sup@irWorld and implementing RFID across its own as well its suppliers' operations. The case examines these initiatives which helped Airbus cut down its costs while improving its efficiency.

1. Study the supply chain processes of Airbus.
2. Understand the implementation of RFID technology in an aircraft manufacturing company.
3. Analyze how RFID technology can improve the operational efficiency of an aircraft manufacturing company.
4. Examine the advantages and disadvantages of implementing RFID technology in a manufacturing company.
