

Roll No.....

Time allowed : 3 hours

Maximum marks : 100

Total number of questions : 6

Total number of printed pages : 4

NOTE : Answer **ALL** Questions.

1. PQR Ltd. is an electronic goods manufacturing company having very wide customer base for past many years. The company has implemented a comprehensive management information system (MIS) for its business requirements. They have also developed their own private network (i.e. Intranet) to enable employees to share information amongst them. All strategic steps have been taken to encourage the employees to take maximum benefits of Intranet. The management of the company has always been prompt in accommodating latest technological developments in the industry suiting to its business. They have been using a highly organized computer based MIS to aid their managerial functions of planning and control. The company has also selected an Enterprises Resource Planning (ERP) system after a lot of deliberations on its essential qualities required. Further, the management of the company is very responsive to any suggestions of the report of system audit conducted from time to time. A specific attention is given to audit of environment controls for the safety of equipments and their spare parts, which are core to its running business.

Based on the above, answer the following :

- (a) What strategies would you suggest to implement, for effective success of intranet in the company ?
(5 marks)
- (b) Many medium and large sized organizations have found it convenient to computerize their MIS to make it automatic and highly organized. Write down some basic features of Computer based MIS.
(5 marks)
- (c) What are the qualities of ERP solution essentially required in the ERP Systems selection ?
(5 marks)
- (d) What are the environmental factors that need to be checked and commented upon by the auditor ?
(5 marks)

Attempt all parts of either Q. No. 2 or Q. No. 2A

2. (a) As a manager of an organisation, you may need various types of information for arriving at various decisions. The quality of decision making depends upon the value of the information. What criterias are used to distinguish more valuable information from less valuable information ?
(4 marks)
- (b) Discuss any *two* kinds of storage technologies used in modern computers.
(4 marks)
- (c) What do you understand by Firmware? Explain.
(4 marks)
- (d) Briefly explain various disadvantages of Database Management System (DBMS).
(4 marks)

OR (Alternate question to Q. No. 2)

2A. Distinguish between the following:

- (i) Primary Information and Secondary Information
- (ii) Analog Computers and Digital Computers
- (iii) System Software and Application Software
- (iv) Data Model and Data Structure.

(4 marks each)

: 3 :

Attempt all parts of either Q. No. 3 or Q. No. 3A

3. (a) Information is needed for decision making at all levels of the management. Discuss the various factors, which affect the information need of an organization. (4 marks)
- (b) Explain "Authentication and Authorization" requirements under Immediate System Security measures, which are applied to Medium Criticality and High Criticality systems. (4 marks)
- (c) What do you understand by Algorithm for any program? Discuss different types of control structures for classification of Algorithm. (4 marks)
- (d) Despite the availability of technology today, there is a problem in developing a good and problem free MIS software for Microfinance Institutions (MFIs). What are the complexities involved in developing good MIS software to meet the needs of the MFIs ? (4 marks)

OR (Alternate question to Q. No. 3)

- 3A. Write short notes on the following :
- (i) Platform-as-a-Service (PaaS)
- (ii) Registry Cleaner Software
- (iii) Advantages of using Flow Charts
- (iv) Characteristics of a good Executive Information System. (4 marks each)
4. (a) Explain the provisions for renewal of licence of Certifying Authority as per Information Technology Act, 2000.
- (b) What are the Operational Characteristics of good Software? Explain.
- (c) List out the factors on which the success of an e-supply chain depends.
- (d) Discuss the key strengths of Oracle's ERP solutions. (4 marks each)

5. (a) Explain in detail the various functions, which can be achieved through the use of Database Management System (DBMS).
(8 marks)
- (b) Explain the functions of National e-Governance Division (NeGD). Also discuss the 'State Data Centre' which has been identified as one of the important element of the core infrastructure for supporting e-Governance initiatives of National e-Governance Plan (NeGP).
(8 marks)
6. (a) Comment on the punishment for publishing or transmitting obscene material in electronic form as stated in section 67 of Information Technology Act, 2000.
(4 marks)
- (b) As a common internet user, what do you understand by Web Browsers ? Write down the name of any *four* popular Web Browsers.
(4 marks)
- (c) Briefly explain any *four* requirements for successfully implementing the e-governance plan across the nation.
(4 marks)
- (d) What technology specific factors should be identified and evaluated during the initial assessment phase prior to developing an automation project ? Explain.
(4 marks)