



**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)**

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QUESTION BANK (DESCRIPTIVE)

Subject with Code: Management Information System (25MB9006)

Course & Branch: MBA

Year & Sem: I-MBA & I-Sem

Regulation: R25

**UNIT –I
MIS AN OVERVIEW**

1		Explain the need for MIS in modern organizations.	[L1][CO1]	[10M]
2		Describe the characteristics of a good MIS with examples.	[L2][CO1]	[10M]
3		Discuss the scope of MIS and IT in business.	[L3][CO1]	[10M]
4		Illustrate the structure of MIS with a neat diagram.	[L4][CO1]	[10M]
5		Evaluate the role of MIS in global business operations.	[L5][CO1]	[10M]
6		Critically analyze the challenges in managing MIS.	[L6][CO1]	[10M]
7	a)	Explain the major challenges in managing MIS effectively in a company.	[L3][CO1]	[5M]
	b)	State the importance of MIS in decision making.	[L2][CO1]	[5M]
8	a)	Explain the relationship between MIS and IT.	[L2][CO1]	[5M]
	b)	Describe the applications of MIS in business.	[L3][CO1]	[5M]
9		Explain how MIS supports managers at different levels.	[L4][CO1]	[10M]
10		Discuss the role of MIS in competitive advantage.	[L5][CO1]	[10M]

UNIT - II
DATA RESOURCE MANAGEMENT

1		Explain the concept of data resource management.	[L1][CO2]	[10M]
2		Differentiate between traditional and modern approaches to data management.	[L2][CO2]	[10M]
3		Discuss the role of DBMS in managing organizational data.	[L3][CO2]	[10M]
4		Illustrate different types of data models with examples.	[L4][CO2]	[10M]
5		Evaluate the importance of data warehousing in decision making.	[L5][CO2]	[10M]
6		Analyze the applications of data mining in business intelligence.	[L6][CO2]	[10M]
7	a)	Define database concepts. Briefly explain the importance of databases in business organizations.	[L1][CO2]	[5M]
	b)	Explain the advantages of Database Management Systems (DBMS).	[L2][CO2]	[5M]
8	a)	Compare hierarchical and relational models.	[L3][CO2]	[5M]
	b)	Discuss the benefits of Data Mining in business decision-making.	[L4][CO2]	[5M]
9		Explain the concept of Big Data and its role in modern MIS.	[L5][CO2]	[10M]
10		Critically evaluate data quality issues in organizations.	[L6][CO2]	[10M]

UNIT-III
BUSINESS APPLICATION OF IS

1		Explain the role of ERP in integrating business processes.	[L1][CO3]	[10M]
2		Describe CRM and its significance in customer retention.	[L2][CO3]	[10M]
3		Discuss SCM as a competitive advantage in business.	[L3][CO3]	[10M]
4		Illustrate different decision support techniques.	[L4][CO3]	[10M]
5		Evaluate the contribution of MIS to decision making.	[L5][CO3]	[10M]
6		Critically analyze the importance of business intelligence in modern enterprises.	[L6][CO3]	[10M]
7	a)	Define Enterprise Systems. Briefly explain their role in integrating organizational functions with an example.	[L1][CO3]	[5M]
	b)	Discuss the applications of Enterprise Systems in business organizations.	[L2][CO3]	[5M]
8	a)	Differentiate between Decision Support System (DSS) and Management Information System (MIS).	[L3][CO3]	[5M]
	b)	Explain the role of Knowledge Management Systems (KMS) in organizations.	[L4][CO3]	[5M]
9		Explain how MIS supports strategic, tactical, and operational decisions.	[L5][CO3]	[10M]
10		Critically evaluate the impact of digital transformation on MIS applications.	[L6][CO3]	[10M]

UNIT-IV
MANAGEMENT OF IS

1		Explain different system development models.	[L1][CO4]	[10M]
2		Describe the importance of project planning in MIS development.	[L2][CO4]	[10M]
3		Discuss various project management techniques in IS.	[L3][CO4]	[10M]
4		Illustrate the steps in system analysis and design.	[L4][CO4]	[10M]
5		Evaluate cost/benefit-based evaluation of MIS projects.	[L5][CO4]	[10M]
6		Critically analyze product-based and process-based evaluation approaches.	[L6][CO4]	[10M]
7	a)	Define Project Management. Briefly explain its objectives and importance in managing Information Systems (IS) projects.	[L1][CO4]	[5M]
	b)	Explain the role of Project Management in Management Information Systems (MIS).	[L2][CO4]	[5M]
8	a)	Discuss implementation process of Management Information Systems (MIS).	[L3][CO4]	[5M]
	b)	Explain the types of System Maintenance in Management Information Systems (MIS).	[L4][CO4]	[5M]
9		Discuss the challenges faced during MIS implementation.	[L5][CO4]	[10M]
10		Explain the role of change management in successful MIS adoption.	[L6][CO4]	[10M]

UNIT-V
SECURITY, ETHICAL SOCIAL ISSUES

1		List the major IS security threats.	[L1][CO5]	[10M]
2		Describe methods of protecting information systems.	[L2][CO5]	[10M]
3		Discuss the role of IS security technologies.	[L3][CO5]	[10M]
4		Illustrate the process of developing a disaster recovery plan.	[L4][CO5]	[10M]
5		Evaluate ethical issues in IS usage.	[L5][CO5]	[10M]
6		Critically analyze the social issues of IT and MIS.	[L6][CO5]	[10M]
7	a)	Define Information System (IS) Security. Briefly explain its importance in protecting organizational data.	[L1][CO5]	[5M]
	b)	Explain the importance of Information System (IS) Security in business organizations.	[L2][CO5]	[5M]
8	a)	Differentiate between ethical and social issues in IS.	[L3][CO5]	[5M]
	b)	Discuss preventive measures for security threats.	[L4][CO5]	[5M]
9		Explain cyber laws and their significance in protecting IS.	[L5][CO5]	[10M]
10		Critically evaluate the impact of social media on IS security.	[L6][CO5]	[10M]

CASE STUDY

1. Case Study: [L3]

10M

A multinational company is struggling to manage its global operations due to fragmented information systems across its branches. Managers complain that reports are delayed, inconsistent, and not useful for decision-making. The CEO decides to implement a centralized MIS.

Questions:

1. Identify the main challenges the company faced before implementing MIS.
2. How can a centralized MIS improve global decision-making?
3. Evaluate whether MIS alone can solve all management challenges in global operations.

2. Case Study: [L4]

10M

A retail chain collects massive amounts of customer purchase data. Initially, data was stored in flat files, but as operations expanded, managers faced difficulties retrieving relevant information. The company shifted to a modern DBMS and implemented data warehousing.

Questions:

1. Differentiate between the traditional file-based approach and DBMS approach.
2. How can data warehousing support management decision-making in retail?
3. Suggest how data mining could be used to predict customer buying behavior.

3. Case Study: [L4]**10M**

A manufacturing company implemented ERP to integrate finance, production, and supply chain activities. However, employees found it difficult to adapt, and managers were unsure how to use data for effective decision-making.

Questions:

1. Explain how ERP supports integration of different business processes.
2. Suggest decision-support techniques that managers could use with ERP data.
3. Evaluate the role of CRM and SCM alongside ERP for customer satisfaction.

4. Case Study: [L4]**10M**

An IT company started a new project to develop a custom MIS for a client. The project team followed no clear methodology and faced frequent delays, cost overruns, and client dissatisfaction.

Questions:

1. Identify the issues faced in the MIS development project.
2. Recommend a suitable system development model for such a project.
3. Analyze how proper project planning and cost-benefit evaluation could have prevented failure.

5. Case Study: [L5]**10M**

A financial institution recently faced a cyber-attack where sensitive customer data was leaked. Although the bank had basic firewalls, there was no disaster recovery plan or ethical guidelines for handling data privacy.

Questions:

1. What are the main IS security threats faced by the bank?
2. Suggest IS security technologies to prevent such attacks.
3. Evaluate the ethical responsibilities of the bank in handling customer data.

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