



## Faculty of Commerce

### End Semester Examination May 2025

#### CM3EC11 Management Information System

<b>Programme</b>	<b>:</b>	<b>B.Com. (Hons.)</b>	<b>Branch/Specialisation</b>	<b>:</b>	<b>-</b>
<b>Duration</b>	<b>:</b>	<b>3 hours</b>	<b>Maximum Marks</b>	<b>:</b>	<b>60</b>

**Note:** All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary. Notations and symbols have their usual meaning.

<b>Section 1 (Answer all question(s))</b>					<b>Marks</b>	<b>CO</b>	<b>BL</b>
<b>Q1.</b>	Which of the following best describes the term 'Management Information System' (MIS)?				<b>1</b>	<b>1</b>	<b>1</b>
	<input type="radio"/> A set of techniques to manage human resources <input type="radio"/> A software tool for storing and organizing data <input checked="" type="radio"/> A system designed to provide information to support management decision-making <input type="radio"/> A hardware system used for data processing						
<b>Q2.</b>	Which of the following is a contemporary approach to Management Information Systems?				<b>1</b>	<b>1</b>	<b>2</b>
	<input type="radio"/> Standardized hardware system <input type="radio"/> Basic data storage techniques <input checked="" type="radio"/> Cloud computing and big data <input type="radio"/> Physical data organization						
<b>Q3.</b>	Which type of decision-making process is characterized by well-defined problems and solutions?				<b>1</b>	<b>2</b>	<b>1</b>
	<input checked="" type="radio"/> Structured decision <input type="radio"/> Unstructured decision <input type="radio"/> Semi-structured decision <input type="radio"/> Informal decision						
<b>Q4.</b>	Which of the following attributes of information refers to how timely information is?				<b>1</b>	<b>2</b>	<b>2</b>
	<input type="radio"/> Accuracy <input checked="" type="radio"/> Timeliness <input type="radio"/> Relevance <input type="radio"/> Completeness						
<b>Q5.</b>	Which of the following network topologies is best suited for small office environments due to ease of installation and low cost?				<b>1</b>	<b>3</b>	<b>2</b>
	<input type="radio"/> Mesh <input checked="" type="radio"/> Bus <input type="radio"/> Ring <input type="radio"/> Star						
<b>Q6.</b>	Which type of network is most commonly used to connect multiple branches of a corporation located in different countries?				<b>1</b>	<b>3</b>	<b>1</b>
	<input type="radio"/> PAN <input type="radio"/> MAN <input checked="" type="radio"/> WAN <input type="radio"/> LAN						
<b>Q7.</b>	Which of the following is a key advantage of using a DBMS over flat files?				<b>1</b>	<b>4</b>	<b>2</b>
	<input type="radio"/> Data is stored in a single location. <input type="radio"/> The structure of the data is simpler. <input checked="" type="radio"/> Data redundancy is minimized, and data integrity is ensured. <input type="radio"/> It is easier to store large amounts of data in DBMS.						
<b>Q8.</b>	Which of the following is NOT a common component of DBMS software?				<b>1</b>	<b>4</b>	<b>1</b>
	<input type="radio"/> Query processor <input type="radio"/> Transaction manager <input type="radio"/> Database engine <input checked="" type="radio"/> Cloud storage service						

**Q9.** Which of the following is a key function of a Management Information System (MIS) in personnel management? 1 5 2

- ☐ Inventory management
 ☒ Recruitment and employee records  
☐ Financial accounting
 ☐ Sales forecasting

**Q10.** Enterprise Resource Planning (ERP) integrates which of the following business functions? 1 5 2

- ☐ Only marketing and production
 ☐ Only finance and personnel  
☒ All business functions, including finance, marketing, and production
 ☐ Only production and material management

### Section 2 (Answer all question(s))

Marks CO BL

**Q11.** Define the term DSS with one characteristic of it.

2 1 1

Rubric	Marks
Define the term DSS/ Decision Support System	1
One characteristic of DSS/ Decision Support System	1

**Q12.** Explain the terms - Data, Information and Knowledge.

3 2 2

Rubric	Marks
Explain Data	1
Explain Information	1
Explain Knowledge	1

**Q13. (a)** What is Management Information Systems. Explain the challenges faced while developing it.

5 2 2

Rubric	Marks
What is Management Information Systems	1
Explain any 4 challenges	4

(OR)

**(b)** What is Management Information Systems. Explain the scopes of it.

Rubric	Marks
What is Management Information Systems.	1
Any 4 scopes of MIS	4

### Section 3 (Answer all question(s))

Marks CO BL

**Q14.** As per the MIS, define the term decision making.

2 2 2

Rubric	Marks
Define the term Decision Making	2

**Q15. (a)** Write down all the types of decisions in decision-making.

8 3 3

Rubric	Marks
At least 7 types of decisions	8

(OR)

**(b)** Compare and contrast the economic, administrative, and social decision-making models.

Rubric	Marks
State at least 8 differences.	8

#### Section 4 (Answer all question(s))

Marks CO BL

**Q16.** How do the different network topologies (Bus, Star, and Ring) affect the performance and reliability of a network?

3 3 3

Rubric	Marks
Explain Bus, Star, and Ring topologies with appropriate nature.	3

**Q17. (a)** Compare and contrast the types of networks with appropriate bases.

7 3 3

Rubric	Marks
State at least 7 differences of LAN, MAN, and WAN	7

(OR)

**(b)** State the difference between various types of network topologies with appropriate bases.

Rubric	Marks
State at least 7 differences between Bus, Star, Ring, Mesh, Tree and Hybrid topologies.	7

#### Section 5 (Answer all question(s))

Marks CO BL

**Q18.** What is DBMS? Explain the characteristics of it.

4 4 4

Rubric	Marks
Define the term DBMS	1
Explain the Characteristics of the DBMS	3

**Q19. (a)** State the advantages of DBMS with one example of each.

6 4 3

Rubric	Marks
At least 6 advantages of DBMS	6

(OR)

**(b)** State the difference between data warehousing and data mining.

Rubric	Marks
At least 6 differences with appropriate bases.	6

#### Section 6 (Answer any 2 question(s))

Marks CO BL

- Q20.** Explain the role of Management Information Systems (MIS) in marketing management. Discuss how MIS helps in recruitment, training, and employee performance evaluation. 5 4 4

Rubric	Marks
Role of Management Information Systems (MIS) in Marketing Management	2
Discuss how MIS helps in recruitment, training, and employee performance evaluation.	3

- Q21.** Describe how an MIS supports production management. Discuss its impact on inventory control, scheduling, and quality management. 5 5 5

Rubric	Marks
Describe how an MIS supports production management.	1
Discuss its impact on inventory control, scheduling, and quality management.	4

- Q22.** Discuss the importance of Enterprise Resource Planning (ERP) systems for managing an organization's resources. How does ERP integrate various functions? 5 5 5

Rubric	Marks
Discuss the importance of Enterprise Resource Planning (ERP) systems	1
How does ERP integrate various functions?	4

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