

Faculty of Commerce

End Semester Examination May 2025

CM3EC11 Management Information System

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

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

Section 1 (Answer all question(s))				Marks CO BL
Q1. Which of the following best describes the term 'Management Information System' (MIS)?				1 1 1
<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		
Q2. Which of the following is a contemporary approach to Management Information Systems?				1 1 2
<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		
Q3. Which type of decision-making process is characterized by well-defined problems and solutions?				1 2 1
<input checked="" type="radio"/> Structured decision <input type="radio"/> Unstructured decision		<input type="radio"/> Semi-structured decision <input type="radio"/> Informal decision		
Q4. Which of the following attributes of information refers to how timely information is?				1 2 2
<input type="radio"/> Accuracy <input checked="" type="radio"/> Timeliness		<input type="radio"/> Relevance <input type="radio"/> Completeness		
Q5. Which of the following network topologies is best suited for small office environments due to ease of installation and low cost?				1 3 2
<input type="radio"/> Mesh <input checked="" type="radio"/> Bus		<input type="radio"/> Ring <input type="radio"/> Star		
Q6. Which type of network is most commonly used to connect multiple branches of a corporation located in different countries?				1 3 1
<input type="radio"/> PAN <input type="radio"/> MAN		<input checked="" type="radio"/> WAN <input type="radio"/> LAN		
Q7. Which of the following is a key advantage of using a DBMS over flat files?				1 4 2
<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.		
Q8. Which of the following is NOT a common component of DBMS software?				1 4 1
<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))

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

Marks CO BL
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))

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

Marks CO BL
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
Sate 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
