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B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

June 2025 Semester End Main Examinations

Programme: B.E.

Semester: VI

Branch: Industrial Engineering and Management

Duration: 3 hrs.

Course Code: 23IM6PEMIS / 22IM6PEMIS

Max Marks: 100

Course: Management Information System

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data, if any, may be suitably assumed.

| | | | UNIT - I | | CO | PO | Marks |
|---|---|----|---|--|-----------|-----------|--------------|
| Important Note: Completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Revealing of identification, appeal to evaluator will be treated as malpractice. | 1 | a) | Elaborate on three fundamental roles of the business applications of information systems. | | CO1 | PO1 | 10 |
| | | b) | With a suitable figure, discuss about an information system model that expresses a fundamental conceptual framework for the major components and activities of information systems. | | CO1 | PO1 | 10 |
| OR | | | | | | | |
| | 2 | a) | Summarize the important attributes of information quality. | | CO2 | PO1 | 10 |
| | | b) | Illustrate IS model that express fundamental conceptual framework for the major components and activities of IS or the sources of IS. | | CO2 | PO1 | 10 |
| | | | UNIT - II | | | | |
| | 3 | a) | Discuss on “Brains mesh like network” and genetic algorithm with respect to cognitive science applications. | | CO2 | PO1 | 10 |
| | | b) | Elaborate how a business transactions sales & purchases are generated by the physical operation systems of a manufacturing system. | | CO2 | PO1 | 10 |
| OR | | | | | | | |
| | 4 | a) | Elaborate on Enterprise collaboration system as related to OSS. | | CO2 | PO1 | 10 |
| | | b) | Discuss the benefits and limitations of expert systems. | | CO2 | PO1 | 10 |
| | | | UNIT - III | | | | |
| | 5 | a) | “The internet work enterprise depends on internet, intranet and extranet for Enterprise collaboration”. Justify using a block diagram. | | CO3 | PO2 | 10 |

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|----|----|---|-----|-----|-----------|
| | b) | What is E-Commerce? Using block diagram, discuss about business applications of telecommunications. | CO3 | PO2 | 10 |
| | | OR | | | |
| 6 | a) | What is B2B? Elaborate on B2B using a Push- Pull Example with neat block diagram. | CO3 | PO2 | 10 |
| | b) | Explain WWW Architecture of e-commerce & client server structure of the web. | CO3 | PO2 | 10 |
| | | UNIT - IV | | | |
| 7 | a) | Elaborate on mercantile process model from the Merchants perspective. | CO4 | PO3 | 10 |
| | b) | “For home banking, greater demands on consumers and expanding need for information, its services are often categorized as basic, intermediate and advanced”. Justify the same with example. | CO4 | PO3 | 10 |
| | | OR | | | |
| 8 | a) | Discuss about home Shopping and home Entertainment. | CO4 | PO3 | 10 |
| | b) | Discuss about mercantile process model from the consumer's perspective. | CO4 | PO3 | 10 |
| | | UNIT - V | | | |
| 9 | a) | Explain EDI and its applications in business. | CO1 | PO1 | 10 |
| | b) | “Funds flow directly from the payer's bank to the payee's bank on the same day” Clarify this statement. | CO1 | PO1 | 10 |
| | | OR | | | |
| 10 | a) | Elaborate on the components of international trade using a block diagram. | CO2 | PO1 | 10 |
| | b) | Discuss about Automated Clearing House (ACH) transfers and Digital Signatures with respect to EDI. | CO2 | PO1 | 10 |
