

M.E. First Semester (Mechanical Engineering) (CAD / CAM) (F.T.) (CBS)
13488 : Elective - I : Management Information System : 1 MCC 5

P. Pages : 1

Time : Three Hours



AU - 3294

Max. Marks : 80

- Notes :
1. Answer **any three** question from Section A and **any three** question from Section B.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION - A

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|----|----|--|----|
| 1. | a) | Define MIS and discuss its objectives. | 7 |
| | b) | Discuss the various categories of MIS. | 6 |
| 2. | a) | MIS supports a manager in his functional responsibilities. Explain. | 7 |
| | b) | Explain according John Dearden how information is classified. | 7 |
| 3. | | Explain in detail system development stages. | 13 |
| 4. | a) | Briefly explain according to Mason how MIS are classified. | 6 |
| | b) | Explain the waterfall model which follows System Development Life Cycle (SDLC) | 7 |
| 5. | | List and explain the steps for designing and implementing an MIS, and illustrate the same with a flow diagram. | 13 |

SECTION - B

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|-----|----|--|----|
| 6. | a) | State and explain MIS and CBIS family. | 8 |
| | b) | Explain the applications of Decision Support System (DSS) | 6 |
| 7. | a) | What is decision making and what are Simon's three phases ? | 7 |
| | b) | Explain the methods of data storage and retrieval. | 6 |
| 8. | a) | Briefly explain Transaction Processing System (TPS) | 6 |
| | b) | State and explain various types of decision making environment. | 7 |
| 9. | | Describe the sub-system of production management and illustrate the same with a flow diagram. | 13 |
| 10. | | A steel manufacturing company is concerned with the possibility of a strike. It will cost an extra Rs. 10,000 to acquire an adequate stockpile. If there is a strike and the company has not stockpiled, then management estimates an additional expense of Rs. 50,000 in lost sales, late order charges and so forth. Should the company stockpile or not ? | 13 |
