

**300884(33)**

**B. E. (Eighth Semester) Examination,  
April-May 2020**

**(Old Scheme)**

**(AEI, Biotech., Chem., Civil, CSE, Elect., EEE, EI, ET&T,  
IT, Mech., Mining, Metallurgy, Mechatronics Branch)**

**DECISION SUPPORT & EXECUTIVE  
INFORMATION SYSTEM  
(Elective-IV)**

*Time Allowed : Three hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 28*

*Note : Attempt all questions. Part (a) from each question is compulsory and carry 2 marks. Attempt any two parts from (b), (c) and (d) carry 7 marks each.*

**Unit-I**

1. (a) What are the major differences between DSS and MIS?

- (b) What do you mean by rationality, bounded rationality? How does bounded rationality impact your decisions in daily life?
- (c) Define DSS. List the major benefits of DSS. What condition suggest the need for a DSS.
- (d) What is business intelligence? How do DSS facilitate business intelligence?

**Unit-II**

2. (a) What are the different components of DSS?
- (b) How data, database management system and data warehousing plays an important role while designing a DSS?
- (c) What types of informations are required for managers in decision making? What are the characteristics of information?
- (d) What is a model? What do you mean by dimensionality of model? How can a DSS decrease a manager's anxiety about using model?

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**Unit-III**

3. (a) Justify DSS is an intelligent system.
- (b) Why programming reasoning is important for making a DSS intelligent?
- (c) What are the importance of user interface in a Decision Support System?
- (d) What are the different user interface components, which are required to make a DSS more attractive?

**Unit-IV**

4. (a) Why analysis is required while designing a DSS?
- (b) What are the major steps of the system design and construction phases of the DSS development process?
- (c) What are the different techniques and approaches required for the designing of a DSS?
- (d) Discuss the advantages and disadvantages of using a DSS application and available tools in the design process.

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**Unit-V**

5. (a) “While implementation of DSS in an organization, resistance is natural”. Justify the statement.
- (b) What sort of parameters are required for implementation and system evaluation?
- (c) What are the different risk factors in DSS implementation project?
- (d) What role does senior management play in the design, planning and implementation of a DSS in a organization.

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