

(2)

- (b) Define datamining and explain online analytical processing (OLAP). 7
- (c) What are the various steps involved in performing risk assessment. 7
- (d) Explain the model of computer based EIS. 7

Unit - V

- Q. 5. (a) What are Intelligent DSS? 2
- (b) Describe the main component and functionality in Group DSS. 7
- (c) What are the tools and application areas in DSS? 7
- (d) Write short notes on: 7
- (i) Decision conferencing
- (ii) e-democracy.

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BE (8th Semester)

Examination, April-May, 2010

Branch : CSE, IT

DECISION SUPPORT SYSTEM (PE-III)

Time allowed : Three Hours

Maximum Marks : 80

Minimum Marks : 28

Note : Part (a) is compulsory, attempt any two from

(b), (c) & (d).

Unit - I

- Q. 1. (a) Define DSS. 2

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- (b) What common characteristics of a decision support system relate to the decision making process? 7
- (c) Identify the characteristics of decision makers at the organizational level. What is the special type of DSS developed for them. 7
- (d) What is a DBMS? How the mapping of databases is done. 7

Unit - II

- Q. 2. (a) What do you understand by the design of DSS? 2
- (b) Explain the impact of culture on decision making. 7

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- (c) List out the various communication issues related to support system. 7
- (d) How does the assimilation of information takes place in decision making. 7

Unit - III

- Q. 3. (a) Define the term Normative. 2
- (b) What do you mean by abstract modelling explain requisite modelling in brief. 7
- (c) What is the difference between descriptive and perspective analysis. 7
- (d) How does a decision tool help as decision makers, elaborate. 7

Unit - IV

- Q. 4. (a) Explain term MIS. 2

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& provide pay-off using each of the decision rules. 14

(pay-off in lakh of rupees)

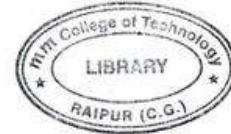
Strategies	States of nature		
	1	2	3
	0.40	0.40	0.20
X	7	5	-5
Y	10	3	-13
Z	5	1	-2

- Q. 5. (a) Define e-democracy. 2
(b) Explain decision conferencing & discuss its objectives & advantages. 7
(c) What is GDSS & why it is required? 7
(d) Compare the characteristics of GDSS with DSS. 7

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322874 (22)

BE (8th Semester)

Examination, April-May, 2011

Branch : CSE, IT

DECISION SUPPORT SYSTEM (PE-III)

Time Allowed : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : All questions carry equal marks. Part (a) is compulsory in each question. Attempt questions worth 16 marks from each question.

- Q. 1. (a) What is a decision support system? 2

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- (b) Identify the characteristics & important applications of DSS to different types of decisions. 14
(c) Explain the Simon's model of decision making for structured & unstructured decision. Also distinguish between structured, semistructured & unstructured decisions. 14
Q. 2. (a) Define descriptive decision model. 2
(b) What are the different components of DSS? Explain them. 7
(c) Explain various types of decision support systems. 7
(d) Explain different types of analytical modeling activities involved in DSS. 7

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- Q. 3. (a) Define Datawarehousing. 2
(b) What is an executive information system & why it is required? Explain various characteristics of EIS. 14
(c) What is expert system? List its various applications. Identify the benefits & limitations of expert system. 14
Q. 4. (a) Define knowledge base system. 2
(b) What are the different methods for choosing among alternatives? Explain with example. 14
(c) A decision problem involves three strategies namely X, Y & Z. There are three possible states of nature. On the basis of the following pay-off matrix, make the decision

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(4)

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- Q. 5. (a) Define support system. 2
- (b) Explain cutting edge decision support technology. 7
- (c) Define intelligent decision support system and explain its tools and application. 7
- (d) Explain Deliberative e-democracy and e-participation. 7

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BE (8th Semester)

Examination, April - May, 2012

Branch : CSE, IT

DECISION SUPPORT SYSTEM (PE-III)

Time Allowed : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 28

Note : All questions carry equal marks. Part (a) of each question is compulsory. Attempt any two parts of remaining three in each question.

- Q. 1. (a) Define decision support system ? 2

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(2)

- (b) What are characteristics of decision support system ? 7
- (c) Explain why expert system technology is useful in DSS ? 7
- (d) Difference between Decision support system and Management information system. 7
- Q. 2. (a) What is communication issues ? 2
- (b) Explain the impact of culture on Decision Making. 7
- (c) Clarify human cognition in DSS. 7
- (d) What are the basic feature for design of DSS ? 7

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(3)

- Q. 3. (a) Define requisite modeling. 2
- (b) What is normative, descriptive and prescriptive analysis ? 7
- (c) Explain recognition primed decision tools. 7
- (d) What are the basic role of normative analysis in DSS ? 7
- Q. 4. (a) Define decision analysis. 2
- (b) Explain the importance of MIS and data mining in DSS. 7
- (c) Explain benefits and pitfalls of OR modeling tools. 7
- (d) Difference between Decision analysis and strategic decision support. 7

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- (4)
- Q. 3. Explain various methods used for choosing among alternatives. Explain with example. 14

Unit-(5)

- Q. 1. Define e-participation. 2
- Q. 2. What is e-democracy & describe the various types of tools used for e-democracy. 7
- Q. 3. Explain GDSS & list it's various characteristics. 7
- Q. 4. Explain various reasons, why GDSS are required now a days. 7

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Examination, Nov.-Dec., 2009

Branch : CSE, IT

DECISION SUPPORT SYSTEM (PE-III)

Time allowed : Three Hours

Maximum Marks : 80

Minimum Marks : 28

Note : Question No. 1 is compulsory in each unit.
Attempt any two question from unit (1) & (5)
and any one from unit (2), (3) & (4).

Unit-(1)

- Q. 1. Define three elements of a decision. 2
- Q. 2. What are the three levels of decision scope in any organization. 7

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(2)

- Q. 3. Describe three dimensions along which managers differ in the ways they make decision. 7
- Q. 4. Describe various phases of decision making process. 7

Unit-(2)

- Q. 1. Define normative decision model. 2
- Q. 2. What is recognition primed decision model. Explain its different variations & applications. 7 + 7
- Q. 3. Describe the types of information system support that can be provided for each phase of decision making. 14

Unit-(3)

- Q. 1. Define Data Mining. 2
- Q. 2. Describe executive information system & it's components. Compare executive information system & executive support system. 14
- Q. 3. Define expert systems. Explain the structure of

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expert system, its advantages disadvantages. 14

Unit-(4)

- Q. 1. What is belief net. 2
- Q. 2. A decision problem involves 4 strategies, namely A, B, C, D. There are 3 possible states of nature on the basis of following pay off matrix, make the decision & provide pay off using even of the decision rules. 14

Strategies	Pay off in lakh of rupees		
	States of Nature		
	1	2	3
	0.50	0.30	0.20
A	10	7	0
B	15	11	-2
C	18	14	-3
D	8	6	1

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