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Paper Id: 4 1 3 6 2 4 Roll No.

B. Tech.
(SEM. VI) EVEN SEMESTER THEORY EXAMINATION 2017-18
KNOWLEDGE BASED & DECISION SUPPORT SYSTEM

*Time:3 Hours* *Total Marks:100*

**Note:** Attempt all Sections. If require any missing data; then choose suitably.

## SECTION - A

*1. Attempt all questions in brief.* *10 = 20*

a) What is a decision Support system?
b) List eight categories of information system in addition to decision support system?
c) What is Structured decision?
d) What are the two fundamental operations involved in turning data into information?
e) Define individual , multi-individual, and group decisions.
f) Define Open systems.
g) What is a data warehouse?
h) What is hypertext?
i) What is data cleansing? Why is it necessary?
j) What are pseudo-random numbers?

## SECTION – B

*2. Attempt any three of the following:* *10 x 3 = 30*

a- State five potential ways in which DSS can benefit an organization.

b- Define three phases of decision making.

c- What are the three reasons to use computer models to support decision making?

d- What are the four basic DSS usage modes? Give example.

e- What are three reasons that DSS accessed over the web may be slow?

## *SECTION-C*

*3- Attempt any one parts of the following :* *10x1=10*

a-What is a process- oriented DSS? To which DSS categories do they correspond?

b-What are fat clients? Thin clients ? Network computers ? An intranet ?

*4. Attempts any one part of the following:* *10x1=10*

a-Why are Standard packages to support many business decisions not widely available?

b-What are the four ways to obtain any software capability?

*5-Attempt any two parts of the following:* *10x1=10*

a-Contrast the characteristics of people who would use a data warehouse and people who would not need one.

b-Define Metadata and give three reasons why it can be useful

*6-Attempt any one part of the following:* *10x1=10*

a-What is a static simulation model? Give an example of where one might be useful

b-What are the basic subsets of the artificial intelligence field?

*7-Attempt any one part of the following :* *10x1=10*

a-What is an expert system shell? What are its basic components.

b-Describe an electronic meeting system? For what types of decision making tasks might it be useful?

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