

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

∴ 10 = 20

1. Attempt all questions in brief.

- 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. Attempt 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-C 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?