

B.TECH.
THEORY EXAMINATION (SEM–VI) 2016-17
KNOWLEDGE BASED DECISION SUPPORT SYSTEM

*Time : 3 Hours**Max. Marks : 100**Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.*

SECTION-A

1 Explain the following : **(10×2=20)**

- a) What do you mean by Knowledge.? Explain
- b) Discuss knowledge modeling.
- c) Differentiate between Modeling and Analysis
- d) What is Data Acquisition? Explain.
- e) Discuss the term Business Intelligence
- f) List major components of DSS
- g) Differentiate between text mining and data mining
- h) Define DSS integrated tools with their objectives
- i) Describe the role of internet in management support system
- j) Discuss application domains of KBDSS

SECTION-B

2 Attempt any five of the following: **(10×5=50)**

- a) What is meant by decision making versus problem solving? Compare and contrast using suitable examples.
- b) Differentiate between database management system and model based management system with suitable examples.
- c) Compare the normative and descriptive approaches of decision making.
- d) Explain how online analytical processing (OLAP) provides access to powerful models in a spreadsheet structure.
- e) Discuss Business Analysis and Visualization of DSS Development.
- f) Discuss the various Collaborative computing technologies.
- g) Explain the methods of agile development and extreme programming.
- h) What is E business? Discuss integration and impact of Electronic commerce in Future management support system.

SECTION-C

Attempt any two of the following : **(15×2=30)**

- 3 What kinds of questions can the explanation sub-system of rule-based expert systems typically answer? What is the role of these questions? How does the expert system answer the questions?
- 4 Explain the term case-based reasoning. What are the main components of a Case-based reasoning system?
- 5 Compare the methodology of simulation to Simon's four – phase model of decision making. Does the methodology of simulation map directly into Simon's model? Explain it.