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10IS846

Eighth Semester B.E. Degree Examination, Jan./Feb. 2021
Decision Support Systems

Time: 3 hrs.

Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

PART – A

- 1 a. Explain the Mintzberg's ten management roles performed by a manager. (08 Marks)
b. Describe why the computerized decision support and the supporting technologies are needed with various reasons. (06 Marks)
c. What is system? Explain the structure of a system with neat diagram. (06 Marks)
- 2 a. Explain the different phases of decision making. (08 Marks)
b. Explain how formal search approaches help to resolve the problems and helps to make decisions with neat diagram. (08 Marks)
c. Distinguish between decision making under certainty, under-risk and under-uncertainty. (04 Marks)
- 3 a. What is decision support system? Review the major characteristics and capabilities of Decision Support System (DSS). (07 Marks)
b. Compare a custom made DSS with readymade DSS. List the advantages and disadvantages of each. (05 Marks)
c. Explain the Holsapple and Whinston's classification. (08 Marks)
- 4 a. Explain how Rapid Application Development (RAD) methodologies improve the efficiency of the system. (10 Marks)
b. Describe the classification of technology levels for the development of DSS. (05 Marks)
c. Discuss the reasons why end under-developed DSS can be of poor quality. What can be done to improve the situation? (05 Marks)

PART – B

- 5 a. Explain the time/place communication framework and some collaborative computing support technologies. (08 Marks)
b. List the advantages and disadvantages of distance learning programs. (12 Marks)
- 6 a. Compare and contrast Executive Information Systems (EIS) and DSS. (10 Marks)
b. Discuss the major problems that could develop along the supply chain and solution to these problems. (10 Marks)
- 7 a. How does knowledge management provide or support organizational learning and organizational memory? (10 Marks)
b. Explain the integration of the elements of an organization through knowledge management system with neat diagram. (10 Marks)
- 8 a. What is system integration? Explain the models of expert system and DSS integration. (12 Marks)
b. Discuss four interrelated subtopics of model management. (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.