

CSC469-2081 ☆

Tribhuvan University
Institute of Science and Technology
2081
☆

Bachelor Level / Fourth Year / Eighth Semester/ Science
Computer Science and Information Technology (CSC469)
(Decision Support System and Expert System)
(NEW COURSE)

Full Marks: 60
Pass Marks: 24
Time: 3 hours.

Candidates are required to give their answers in their own words as far as practicable.
The figures in the margin indicate full marks.

Section A

Long answer questions

Attempt any Two questions

(2×10=20)

1. Discuss the concept of strategic impact grid. How can DSS provide strategic advantages? Discuss any two cases related to companies that have gained strategic advantages with DSS. (3+2+5)
2. List out elements of user interface. Discuss the guidelines of designing dialog and user interface design. (2+8)
3. Discuss the concept of fuzzification, defuzzification, and fuzzy inferencing with suitable examples. (10)

Section B

Short answer questions

Attempt any Eight questions

(8×5=40)

4. Discuss categories of organizational decisions briefly. In what situation DSS helps in decision making? Explain with suitable diagram. (2+3)
5. List out the activities of decision process diagnosis. Describe the steps involved in Decision Process Audit plan. (2+3)
6. What is meant by DSS architecture? Explain DSS IT infrastructure. (1+4)
7. How GDSS differs from groupware? Explain communication driven DSS architecture with suitable diagram. (5)
8. Differentiate between DSS data and operating data with brief description of each difference. (5)
9. How rules can be used in developing knowledge driven DSS? Explain advantages and limitations of rules. (2+3)
10. When simulation models are used? Explain characteristics, advantages and limitations of simulation models. (1+4)
11. Compare and contrast between web based and inter organizational DSS. Discuss advantages and drawbacks of web based DSS. (3+2)
12. Discuss the roles of the individuals who interact with the expert systems. (5)