

Code: 9A12805

**R09**

B.Tech IV Year II Semester (R09) Advanced Supplementary Examinations, July 2013

**DECISION SUPPORT SYSTEMS**

(Information Technology)

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions

All questions carry equal marks

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- 1 (a) Define open system and closed system. Give examples of each.  
(b) Explain the role of feedback in the system.  
(c) Define the phases of intelligence, design, choice and implementation.
- 2 (a) List the three technology levels of DSS.  
(b) List the major differences between EIS and DSS.
- 3 (a) Describe the steps in cyclic model of knowledge management. Why is it a cycle?  
(b) What are the techniques of automated knowledge acquisition?
- 4 (a) What is production rule? Give an example.  
(b) What is unique about Cyc over other knowledge representations?
- 5 (a) Define forward chaining. Explain why forward chaining is considered data-driven.  
(b) Describe the general process of dealing with uncertainty.
- 6 (a) Describe the activities of project initialization in expert system development life cycle.  
(b) Describe about technology levels of expert system.
- 7 (a) What is model base management system? Explain.  
(b) Describe some of organizational factors that can affect success of implementation.
- 8 (a) List some potential social benefits of MSS.  
(b) List reasons why intelligent systems could result in massive unemployment.

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