

Code: 9A12805

1

B.Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

DECISION SUPPORT SYSTEMS

(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Briefly discuss the structure of a system. Listout and explain supporting types.
- 2 Why prototyping is also known as evolutionary development? Discuss the characteristics and capabilities of executive support systems.
- 3 Define knowledge engineering. Explain different levels of major categories of knowledge.
- 4 Discuss briefly experimental knowledge representations. Explain the role of uncertainty in AI.
- 5 Explain forward and backward chaining with examples.
- 6 Discuss any three factors which are appropriate to develop an expert systems.
- 7 Briefly discuss supporting models of ES and DSS integration.
- 8 Write a short notes on:
 - (a) Internet communities.
 - (b) Management implications and social responsibilities.

Code: 9A12805

2

B.Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

DECISION SUPPORT SYSTEMS

(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 What is DSS? Give a brief overview on intelligence in decision making.
- 2 Write a short notes on
 - (a) DSS tools.
 - (b) Computerized systems.
- 3 Discuss briefly machine learning methods in knowledge acquisition.
- 4 How the internet and internets can be used to enhance knowledge acquisition? Explain knowledge representation in logic and other schemas.
- 5 What is an interface rule? Briefly discuss case-based reasoning.
- 6 Explain different levels of ES technologies with example.
- 7 What is intelligent DSS? Discuss software architecture for model management systems.
- 8 Explain MSS support to business process reengineering with example.

Code: 9A12805

3

B.Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

DECISION SUPPORT SYSTEMS

(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Discuss the role design in decision making.
- 2 Listout and explain supply chain problems and solutions.
- 3 What is knowledge management? Listout and explain supporting goals and objectives.
- 4 Discuss the role of knowledge and inference rules in production rules. Listout its merits and demerits.
- 5 What is model-based reasoning? Describe the role of Meta knowledge.
- 6 Describe the process of software project implementation in an ES. What is post implementation?
- 7 What are the objectives of software integration? Give a brief summary of integrating ES and DSS.
- 8 Listout and explain personnel management issues. Discuss how MSS system affects individuals.

Code: 9A12805

4

B.Tech IV Year II Semester (R09) Regular Examinations, March/April 2013

DECISION SUPPORT SYSTEMS

(Information Technology)

Time: 3 hours

Max Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Discuss the action of choice in decision making. Listout and explain supporting formal search approaches.
- 2 Sketch and explain alternative development methodologies.
- 3 Listout the success factors of knowledge management. Discuss its relationship with artificial intelligence.
- 4 Define a frame listout its basic elements. Explain hierarchy of frames with example.
- 5 Discuss probabilities and related approaches. Listout and explain certainty factors.
- 6 Describe the schematic view the expert system development life cycle.
- 7 What is implementation? How to measure its success? Explain supporting major issues.
- 8 Briefly explain the issues of legality, privacy and ethics in MSS.
