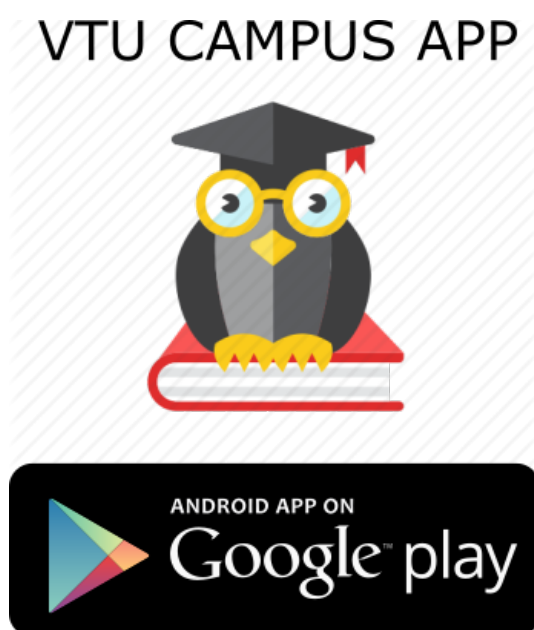


# Decision Support Systems VTU Question Paper Set



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10IS846

**Eighth Semester B.E. Degree Examination, June/July 2016**  
**Decision Support Systems**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer any FIVE full questions, selecting  
atleast TWO questions from each part.**

**PART – A**

- 1 a. Explain the roles of manager in the organization. (06 Marks)  
b. Explain the factors affecting the decision making. (04 Marks)  
c. Define system. Briefly explain the structure of the system. (10 Marks)
- 2 a. Explain the design phase of decision making. (10 Marks)  
b. Briefly explain how personality type gender, and human cognition affects the decision making process. (10 Marks)
- 3 a. Briefly explain the characteristics and capabilities of DSS. (10 Marks)  
b. Explain the model management subsystem. (10 Marks)
- 4 a. Explain the methodology for traditional system development life cycle. (10 Marks)  
b. Explain :  
i) DSS development platform  
ii) DSS development tool selection. (10 Marks)

**PART – B**

- 5 a. Explain :  
i) Time/place framework  
ii) Process losses and process gain in group work. (10 Marks)  
b. Briefly explain the advantages and disadvantages of distance learning system. (10 Marks)
- 6 a. Explain the characteristics and capabilities of executive support system. (10 Marks)  
b. Explain supply chain problems and solutions. (10 Marks)
- 7 a. i) What are the important of managing the knowledge? How to encourage knowledge sharing?  
ii) Explain the organizational memory. (10 Marks)  
b. Briefly explain the activities involved in knowledge management. (10 Marks)
- 8 a. Explain the major benefits of MSS which can result in a competitive advantage. (08 Marks)  
b. Explain the social implication of MSS. (08 Marks)  
c. Explain the model for ethical reasoning process. (04 Marks)

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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.



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10IS846

## Eighth Semester B.E. Degree Examination, June/July 2015

### Decision Support System

Time: 3 hrs.

Max. Marks:100

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

#### PART – A

- 1
  - a. Explain ten major roles performed by managers. (05 Marks)
  - b. Explain a framework for decision support proposed by Gorry and Scott Mortan. (10 Marks)
  - c. Explain the various reasons needed for computerized decision support systems. (05 Marks)
- 2
  - a. With a neat diagram, explain the three major phases of decision making process. (10 Marks)
  - b. Define decision style. Describe the importance of decision style in decision making process. (05 Marks)
  - c. List and explain different classes of descriptive models. (05 Marks)
- 3
  - a. Explain the characteristics and capabilities of decision support systems. (05 Marks)
  - b. With a neat diagram, explain the various components of decision support systems. (10 Marks)
  - c. What are the various decision support systems classifications? (05 Marks)
- 4
  - a. With a neat diagram, explain the traditional system development life cycle (SDLC). (10 Marks)
  - b. Define prototyping. Give the reasons for why prototyping is the choice for most of the DSS development. (05 Marks)
  - c. List advantages and risks of user developed DSS. (05 Marks)

#### PART – B

- 5
  - a. Explain distance learning with advantages and disadvantages. (10 Marks)
  - b. Explain the time/place communication frame work. (05 Marks)
  - c. List the characteristics of group work. (05 Marks)
- 6
  - a. Define CRM. Explain the benefits of CRM. (05 Marks)
  - b. With a neat diagram, explain the components of supply chain. (05 Marks)
  - c. Explain the characteristics and benefits of EIS. (10 Marks)
- 7
  - a. With a neat diagram, explain knowledge management cycle. (05 Marks)
  - b. Explain process and practice approaches to knowledge management system (KMS). (05 Marks)
  - c. Describe the components of knowledge management systems (KMS). (05 Marks)
  - d. List the responsibilities of the chief knowledge officer. (05 Marks)
- 8
  - a. Explain the models of intelligent DSS. (05 Marks)
  - b. Describe the MSS impacts on individuals. (05 Marks)
  - c. Explain the issues of legality, privacy and ethics for MSS. (10 Marks)

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**Eighth Semester B.E. Degree Examination, June/July 2014**  
**Decision Support Systems**

Time: 3 hrs.

Max. Marks:100

**Note: Answer FIVE full questions, selecting  
atleast TWO question from each part.**

**PART – A**

- 1
  - a. Explain 10 major roles performed by the manager. (05 Marks)
  - b. Explain reasons needed for computerized decision support system. (06 Marks)
  - c. Define system. Explain the structure of a system, with a neat block diagram. (09 Marks)
- 2
  - a. Briefly explain the decision making design phases. (10 Marks)
  - b. Define decision style. Describe why it is important to consider in decision making process. (05 Marks)
  - c. Explain briefly about the relationship of decision making with personality types, gender and human cognition. (05 Marks)
- 3
  - a. What is DSS? Explain the characteristics and capabilities of DSS. (10 Marks)
  - b. With a schematic view of DSS, explain the various components of DSS. (10 Marks)
- 4
  - a. Explain rapid application development methodologies, with neat diagrams. (10 Marks)
  - b. Explain DSS technological levels with a neat diagram. (05 Marks)
  - c. Explain end user developed DSS with advantages. (05 Marks)

**PART – B**

- 5
  - a. Define group work. And explain important characteristics of group work. (05 Marks)
  - b. Explain the time/place communication frame work and some collaborative computing support system. (05 Marks)
  - c. Explain distance learning with its advantages and disadvantages. (10 Marks)
- 6
  - a. Explain enterprise information system with its desired characteristics and benefits. (06 Marks)
  - b. Compare EIS and DSS on some dimensions. (05 Marks)
  - c. Explain supply chain problems and solutions. (05 Marks)
  - d. Explain briefly executives roles and their information needs. (04 Marks)
- 7
  - a. Define the knowledge management and explain the major activities of knowledge management. (05 Marks)
  - b. With a neat diagram, explain knowledge management cycle. (05 Marks)
  - c. Explain process and practice approaches to knowledge management system (KMS). (05 Marks)
  - d. Explain the role of people in knowledge management. (05 Marks)
- 8
  - a. What is system integration? Explain the major objectives for management support systems software integration. (05 Marks)
  - b. Explain the problems and issues of MSS integration. (05 Marks)
  - c. Describe the MSS impacts on individuals. (05 Marks)
  - d. Briefly explain the issues of legality, privacy and ethics. (05 Marks)

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