

Total No of Questions: [12]

SEAT NO. :

[Total No. of Pages : 2]

B.E. 2008 (Mechanical Engineering)
Management Information Systems
(Elective - IV) (Semester - II)

Time: 3 Hours

Max. Marks : 100

Instructions to the candidates:

- 1) Answers to the two sections should be written in separate answer books.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right side indicate full marks.
- 4) Use of Calculator is allowed.
- 5) Assume Suitable data if necessary

SECTION I

- Q1) a) Why MIS looked upon as a strategic need of management today? [8]
b) MIS supports a manager in his functional responsibilities. Explain [8]
OR
- Q2) a) Explain Impact of Management information system. [6]
b) Write a short note on MIS:A support to the Management [6]
c) Define system. Explain various types of system [4]
- Q3) a) Explain the various problems in making rational decisions. [6]
b) What is decision? Explain Herbert Simon Model of Decision [6]
making process.
c) Write a short note on Systems Development Life Cycle (SDLC) [4]
OR
- Q4) a) Explain Behavioral concept in Decision making [6]
b) Describe the role of information technology in information systems. [4]
c) Explain programmed and non- programmed decision making [6]
- Q5) a) What is purpose of Decision support system (DSS) in MIS [6]
b) Explain steps in development of database design [6]
c) Explain the three terms Data mining, Data Mart and Data [6]
Warehouse
- OR
- Q6) a) Write a short note on Knowledge base expert system(KBES) [6]
b) Write short note on Group Decision support system (GDSS) [6]
c) Explain three layer architecture of Data Warehouse. [6]

SECTION II

- Q7) a) What are JSD & its application? [6]
b) Describe in Detail about CMM? [6]
c) Which are modern software design techniques? [6]

OR

- Q8) a) Give brief introduction about Quality management in software Organization? [6]
b) What are the types of software performance testing? [6]
c) Differentiate between Validation & verification? [6]
- Q9) a) Which are the tools used for white box testing? Describe any one [6]
b) What are the limitations of boundary value analysis? [4]
c) Write a short note on i) Software review ii) Walkthrough [6]

OR

- Q10) a) Explain maintenance. [4]
b) Differentiate between WBT and BBT. [6]
c) Define & explain fault, error, and repair. [6]
- Q11) a) How do you achieve supply chain management in an E enterprise like Amazon.com with use of MIS. Explain with block diagram and flow chart. [8]
b) Explain the case study on 360° Feedback system. [8]

OR

- Q12) a) Explain the case study of application of MIS with reference to financial management with block diagram and flow chart. [8]
b) Explain the case study of marketing management in Automobile industry. Its implications and advantages and disadvantages. [8]