

Total No. of Questions : 12]

SEAT No. :

P2678

[5154]-48

[Total No. of Pages : 3

B.E. (Mechanical)

MANAGEMENT INFORMATION SYSTEM

(2008 Pattern) (Semester - II) (402050B) (Elective - IV)

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

- 1) *Answer to the two sections should be written in separate answer books.*
- 2) *Figures to the right indicate full marks.*
- 3) *Solve Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8, Q.9 or Q.10, Q.11 or Q.12.*

SECTION - I

- Q1)** a) Explain MIS with Organizational Structure. Explain how MIS supports the management. **[8]**
- b) What is the essentiality of strategic planning? How information can be a Strategic resource? **[8]**

OR

- Q2)** a) Explain Operation Support system and management support system in details. **[8]**
- b) Explain the role of MIS in a Business Enterprise. **[8]**
- Q3)** a) What is Decision? Explain role of MIS in decision making. **[8]**
- b) Explain Distributed data management system in details. **[8]**

OR

- Q4)** a) What is expert system in MIS? Write a note on charting tools and data flow diagrams. **[8]**
- b) Explain spiral SDLC model. **[8]**

P.T.O.

- Q5) a)** Draw a E-R diagram for an Airline Co. Consider the following entities and their attributes. [6]
- i) Pilot
 - ii) Airline
 - iii) Aircraft
 - iv) Employee
- b) What is the difference between data mining and data warehousing. [6]
- c) Explain ESS with architecture. [6]

OR

- Q6) a)** What are the components of DBMS? Explain file model of Database. [6]
- b) Explain Behavioral, Administrative model in Decision making models. [6]
- c) Explain DFD for on line examination system of engineering students. [6]

SECTION - II

- Q7) a)** Write a short note on object oriented system development. [4]
- b) Explain Capability Maturity model in details. [10]
- c) What are modern software design techniques? [2]

OR

- Q8) a)** What is software matrix? Explain software models in short. [4]
- b) What is software performance system? Explain software matrix and models. [10]
- c) What is software verification? [2]

- Q9) a)** Describe software testing tools, approaches and software reliability. [8]
- b) Write a short note on: [8]
- i) Errors in software testing.
 - ii) Security issues in software.

OR

Q10)a) Compare Black box testing and white box testing. **[8]**

b) Write a short note on software reliability and maintenance. **[8]**

Q11)a) Explain MIS with supply chain management and marketing management. **[10]**

b) Write applications of MIS in manufacturing management. **[8]**

OR

Q12) Write short note on: **[18]**

a) MIS in Hr management.

b) E-Enterprise management.

c) MIS in SCM.

