

Total No. of Questions : 12]

SEAT No. :

**P1708**

[Total No. of Pages :3

**[4859]-49**

**B.E. ( Mechanical Engg.)**

**b-MANAGEMENT INFORMATION SYSTEMS**

**(Elective -IV) (Semester -II) (2008 Course)**

*Time : 3 Hours]*

*[Max. Marks : 100*

*Instructions to the candidates:*

- 1) Attempt any three questions from section I and section II.*
- 2) Answer to the questions should be written in separate answer books.*
- 3) Figures to the right indicate full marks.*
- 4) Draw neat diagrams wherever necessary.*

**SECTION-I**

- Q1)** a) Explain: (i) Elements of MIS ii) Management Processes Elements. [6]
- b) Discuss the relationship between MIS and Management Process. [4]
- c) Define Management. Explain management functions at various organization levels. [6]

OR

- Q2)** a) Define Management, Information and system. Write short note - Structure of MIS. [8]
- b) Discussion about operational support systems and explanations about following types:
- i) Transaction processing systems
  - ii) Process control systems
  - iii) Enterprise collaboration systems. [8]

- Q3)** a) Explain what are the Building Blocks of Information system? [4]
- b) Write a short note on behavioral decision making. [4]
- c) Explain spiral model of SDLC with diagram. State its advantages and disadvantages

OR

**P.T.O.**

- Q4)** a) Explain Herbert Simon model of Decision process. [6]  
b) Explain Spiral Shape SDLC model. [6]  
c) Compare MIS and DSS. [6]

- Q5)** a) Defining the term knowledge Management System and explain about elements of knowledge Management System using block dig. and example [8]  
b) Explain waterfall model of SDLC with diagram. State its advantages and disadvantages.

OR

- Q6)** a) Explain with block diagram system development life cycle. [8]  
b) Write note on Data Flow Diagrams and ER Diagrams. [8]

## **SECTION -II**

- Q7)** a) What is CMM? Explain Levels of CMM. [10]  
b) State various Modern Software Design Methodologies. Explain Jackson System Development Method. [8]

OR

- Q8)** a) What is Software Performance Testing? Explain its types. [8]  
b) The Cost of Performance failure of software is very high” Explain. [4]  
c) What is verification? What are the terms involved in verification. [6]

- Q9)** a) Explain Black Box Testing? State its Advantages and Disadvantages. [8]  
b) Write a note on Availability and Reliability. [8]

OR

- Q10)** a) What is Review? Explain its types.  
b) Explain the types of software Maintenance

**Q11)a)** Explain the applications of MIS in HR Management with the help of block diagram . [8]

b) Explain the steps in 360° feedback. Give its advantages and Disadvantages [8]

OR

**Q12)a)** Explain the applications of MIS in supply chain Management with block diagram. [8]

b) What is Enterprise Management system? Explain the components of EMS. [8]

