[5254]-48

B.E. (Mechanical)

MANAGEMENT INFORMATION SYSTEM

(2008 Pattern)

Time : 3 Hours]   *[Max. Marks : 100*

Instructions to the candidates:

1) *Answer any three questions from each section.*
2) *Answers to the two sections should be written in separate books.*
3) *Neat diagram must be drawn whenever necessary.*
4) *Figures to the right indicate full marks.*
5) *Use of calculator is allowed.*
6) *Assume suitable data, if necessary.*

SECTION - I

Q1) a) What are the types of information system? Explain in detail : **[8]**

    i) Operation Support System

    ii) Management Support System.

b) Explain the role of MIS in the management. administration and operation of the organization. **[8]**

OR

Q2) a) Which are the Resources of an Information System? Explain in detail:**[8]**

    i) Hardware resources

    ii) Software resources

b) Define System. Describe Open and Closed System. **[8]**

Q3) a) Describe System Development Life Cycle (SDLC). **[8]**

b) Differentiate between MIS & DSS. **[4]**

c) Briefly Explain Phases of Decision Making. **[4]**

OR

Q4) a) Explain in detail Behavioral Decision making. **[8]**

b) Which are the constraints on Decision Making? Explain. **[4]**

c) What are the steps in a Rational Decision Making Model? **[4]**

Q5) a) Draw the standard Data flow diagram symbols (Any Four) : **[8]**

     i) centre to centre

     ii) start state

     iii) stop state 1

     iv) stop state 2

     v) Object call out

     vi) Oval process

b) What is the Database management System? Support your answer by giving suitable examples. **[10]**

OR

Q6) a) Explain briefly, System Requirements specification (SRS). **[8]**

b) One University designs various courses. Students register for these courses. These courses are conducted at various centers. Students select appropriate centre as per their choice, After register to the centre every centre may forms batches of students. Draw the ER diagram. **[10]**

SECTION - II

Q7) a) What do you understand by MIS software? Explain various types of it. **[6]**

b) Explain various software standards. **[6]**

c) Differentiate between system software and application software. **[4]**

OR

Q8) a) What are the different types of software models? Explain them in brief. **[8]**

b) What are the different levels of CMM? Explain any three of them. **[8]**

Q9) a) Explain necessity and role of software testing. **[6]**

b) Explain what you understand by software reliability. **[6]**

c) Write role of firewall and proxy servers in case of security measures. **[4]**

OR

Q10)a) Explain what measures can be taken to prevent loss of data and computer fraud from security point of view. **[8]**

b) Describe in brief : **[8]**

   i) Software reliability

   ii) Software testing approaches.

Q11)a) A Machine tool manufacturing company manufactures conventional machines and CNC machines. Design a following report formats using various information input. **[10]**

   i) Statement of orders received, order dispatched and orders in process for last annual year

   ii) Customer wise supply schedule for new orders in current Annual year

b) Explain concept of supply chain management. **[8]**

OR

Q12)a) An Automobile service station wants to improve on service to customers in following areas. **[10]**

   i) Waiting time in the morning before customer left vehicle for servicing.

   ii) Timely delivery at the end of the day with no waiting.

   iii) Managing human recourse at service station.

   Explain what information is needed to process and prepare format schedule based on it.

b) Explain role of MIS in financial management. **[8]**

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