[4759]-48

B.E. (Mechanical)
MANAGEMENT INFORMATION SYSTEM
(2008 Course) (Semester-II) (Elective-IV) (402050 (B))

Time : 3 Hours]

[Max. Marks : 100

Instructions to the candidates:

   1)   *Answer any three questions from each section.*

   2)   *Answer to the two sections should be written in separate answer books.*

   3)   *Neat diagrams must be drawn wherever necessary.*

   4)   *Figures to the right indicate full marks.*

   5)   *Assume suitable data if necessary.*

   6)   *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) Define MIS. Explain various characteristics of MIS in details. **[8]**

    b) "Information is blood and MIS is heart of any business activity". Explain MIS with the same. **[8]**

OR

Q2) a) Explain Decision Support system and its essential characteristics in details. **[8]**

    b) What is an organization? Explain the basic model of an organization structure. **[8]**

Q3) a) What is Decision? Explain in details behavioral decision making. **[8]**

    b) Explain factors, configuration and components in GDSS. **[8]**

OR

Q4) a) Explain Herbert Simon model of decision making. **[8]**

    b) Explain spiral SDLC model. **[8]**

Q5) a)   Draw a E-R diagram for an Educational Institute. Consider the following entities and their attributes.   **[6]**

     i)   Student.

     ii)   Class.

     iii)   Files.

     iv)   Professor.

   b)   Write a note on data mining.   **[6]**

   c)   Explain ESS with architecture.   **[6]**

<div align="center">OR</div>

Q6) a)   What are the components of DBMS? Explain Distributed DBMS.   **[6]**

   b)   Explain classical, Administrative model in Decision making models.   **[6]**

   c)   Explain DFD for on line examination system of engineering students.   **[6]**

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SECTION-II

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Q7) a)   Write a short note on Quality management in software organization.   **[4]**

   b)   Write a short note on modern software design techniques.   **[10]**

   c)   What are software standards?   **[2]**

<div align="center">OR</div>

Q8) a)   What is software matrix? Explain software models in short.   **[4]**

   b)   Write a note on object oriented design of UML.   **[10]**

   c)   What is software verification?   **[2]**

Q9) a)   Describe different tools of security management.   **[8]**

   b)   Write a short note on: **[8]**

     i)   Software review.

     ii)   Software piracy.

<div align="center">OR</div>

*Q10)*a)   Explain briefly Black box testing and white box testing.   **[10]**

b)   Write a short note on: **[6]**

   i)   Software standards.

   ii)   Inspection in software.

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

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

<div align="center">OR</div>

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

   a)   360 degree feedback.

   b)   E-Enterprise management.

   c)   MIS in supply chain management.

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