U.S.N ☐☐☐☐☐☐☐☐☐☐

P.E.S. College of Engineering, Mandya - 571 401

(An Autonomous Institution affiliated to VTU, Belgaum)

Second Semester, M. Tech - Mechanical Engineering (MCIM)

Semester End Examination; June - 2016

Management Information System

Time: 3 hrs   *Max. Marks: 100*

Note: Answer **FIVE** full questions, selecting **ONE** full question from each **unit**.

UNIT - I

1 a.	Compare strategic MIS with operational MIS. Give examples.	8
b.	Discuss how MIS can contribute to create transparent and fair organization.	8
c.	In your opinion, what are the differentiators a smart phone can bring to MIS?	4
2 a.	Can you visualize MIS without computer? Discuss.	8
b.	Discuss how MIS can contribute to continuity in organizations?	8
c.	Write a note on emerging trends of MIS.	4

UNIT - II

3 a.	Explain how MIS can support 'Production' function in an organization.	12
b.	With the help of a block diagram, explain the network components useful for MIS.	8
4 a.	Explain how MIS can support the 'finance' function in an organization.	12
b.	With the help of a block diagram, explain the seven layered OSI architecture in a network system.	8

UNIT - III

5 a.	Discuss the major advantages of database approach over conventional file processing system.	8
b.	Explain database architecture with the help of a figure.	8
c.	List any four functions of a database administrator.	4
6 a.	Discuss the advantages and limitations of 4GL.	6
b.	Explain the major features of SQL.	8
c.	List the major functional areas/modules of a railway reservation system.	6

UNIT - IV

7 a.	Discuss how a decision support system empowers the management of an organization.	8
b.	Explain the key features of LAMP.	8
c.	Write a note on cost benefits of DSS.	4
8 a.	What are the characteristics of DSS? Explain with suitable examples.	10
b.	Discuss the distinguish features of analytical hierarchy process (AHP).	10

UNIT - V

9 a. With the help of a block diagram, explain the architecture of an expert system.   10

  b. Explain how a 'semantic network' can serve as a knowledge representation scheme.   10

10 a. Explain the four components of A.I.   10

  b. Choosing an example of your choice, explain the application of an expert system.   10

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