

DEPARTMENT OF MECHANICAL ENGINEERING

END SEMESTER EXAMINATION

M.E. CAD/CAM

CD – 017 MANAGEMENT INFORMATION SYSTEMS

Time: 3 Hours

Marks: 50

ATTEMPT ANY FIVE QUESTIONS

1. Explain management information systems from a manufacturing industry perspective. What technology trends have enabled IT based innovation in business? What obstacles and real world limitations have slowed pace of implementation for IT- based innovations 4,3,3
2. Why is it important to have framework for analyzing any information system? What elements can be used for explaining a work system in its entirety? What principles can be used to explore how well a work system is operating? 3,3,4
3. What business process characteristics reflect system design choices that affect business process performance? What are the five levels of integration of business processes? Why are planning and control important elements of business processes? 4,3,3
4. Explain the different taxonomies of information systems in detail with their relevance in the organization hierarchy commensurate with business processes. 10
5. What is an information plan? How is information system planning linked with business planning? What are the key issues in information systems planning? 3,3,4
6. Explain the feasibility analysis and its application in the various phases of information system design and development. What project management issues need to be addressed in information system development? 5,5
7. What types of issues are addressed by the different system development processes? Compare and contrast the different information system development methodologies. 3,7