

EIGHTH SEMESTER

INFORMATION TECHNOLOGY

REGULATIONS 2008

IT 9306-MANAGEMENT INFORMATION SYSTEM

Time: Three hours

Maximum: 100 marks

Answer ALL Questions.

PART A – (10 * 2 = 20 MARKS)

1. Define MIS. Give an example
2. What do you mean by maintainability and recoverability in system design?
3. What is aggregation?
4. What do we mean by information flow?
5. Illustrate how MIS is used as a technique for making programmed decisions.
6. What is uncertainty?
7. What is an electronic mail?
8. What is meant by cost benefit?
9. What are the different methodologies?
10. What is system analysis and design?

PART B – (5 * 16 = 80 MARKS)

11.
 - i. Develop a MIS for a manufacturing organization indicating the different types of information subsystems depending on functional areas. High light the flow of information and the corresponding levels of information. How does this management information systems help businesses use synergies, core competencies, and network-based strategies to achieve competitive advantage?(10 marks)
 - ii. What are the challenges posed by strategic information systems and how should they be addressed? (6 marks)
12.
 - (a) How will you match the information system plane in to the organisational strategic plan? How will you identify the organisational objective and processes and develop an information system? Elaborate in detail with an example?

(OR)

 - (b) What exactly is an information system? How does it work? What are its management, organization, and technology components? If you were setting up the Web site for health care information system, what management, organization, and technology issues might you encounter?
11. (a) What is the model for representing the following system Draw suitable diagram for the following problem:

An "e-Governance System" is to be developed . The system will govern and regulate the activities of the government electronically. The services to be included in the system are:

- 1.Payment of utility bills
- 2.Registration and Issue of Certificates
3. Issues and Renewal of Licenses
4. Issues and Renewal of Passports

(OR)

12.(b) Construct a suitable information architecture for a home insurance company whose customers own one or more than type(farm-house,flats,independent houses etc..) of house each. Each home has associated with it zero to any number of recorded damages. State any assumptions you make.

13.(a) Write short notes on the following:

- i. Human factors (8)
- ii. Summarising and filtering (8)

(OR)

13.(b)

- i. Explain information content and redundancy?(6)
- ii. What is information theory?(10)

14. (a) Write notes on the Applications for budgeting and planning?

(OR)

14 (b) What is the centralized vs. Decentralised allocation mechanism? Explain.

15(a) Write notes on the following:

- i. End user development (8)
- ii. System development life cycle (8)

(OR)

15(b) Write notes on the following:

- i. Outsourcing (8)
- ii. Off-the-shelf software packages (8)