

Total number of printed pages – 6

MCA
MGT 3002

Third Semester Examination – 2008

MANAGEMENT INFORMATION SYSTEM

Full Marks – 70

Time : 3 Hours

Answer Question No. 1 which is compulsory
and any five from the rest.

The figures in the right-hand margin
indicate marks.

1. Answer the following questions : 2×10
- (a) Define MIS. What type of information does MIS provide ?
 - (b) Differentiate between Computer Information System and Management Information System.

P.T.O.

✓(c) Define and differentiate between *planning information system* and *controlling information system*.

✓(d) List at least three characteristics of a Transaction Processing System(TPS).

✓(e) What is the model which may be employed for cost/benefit based evaluation ?

✓(f) What is the purpose of a Transaction Processing System(TPS) ?

✓(g) What are the differences between model driven Decision support system (DSS) and data driven DSS ?

✓(h) What do you mean by value of Information ? Distinguish between data and information.

✓(i) What are the various activities performed by MIS in an organization ?

✓(j) What are the different data models ?

2. ✓(a) What are the characteristics of an information system ? Discuss the organization, management and technology dimensions of information system. 5

✓(b) Explain the difference in emphasis and division of labour that you would apply between the Logical Design Stage and the Physical Design Stage of an information systems development project. 5

3. ✓(a) What are functional information systems ? Discuss the main activities of a marketing information system. 5

✓(b) What are the different design considerations for an secure Management Information System (MIS) ? 5

4. (a) Outline the key points of the concept of prototyping and briefly outline the three levels or types of prototyping that can be applied. 5
- (b) What is the role of *Information System* in decision making ? Discuss with the help of suitable examples four stages of decision-making described by Simon. 5
5. (a) What is Transaction Processing ? What are the advantages of Transaction Processing System(TPS) ? 5
- (b) Why is evaluation of MIS important ? Describe the concept of cost/benefit based evaluation. 5
6. (a) Consider Railway Reservation system as a TPS and explain the whole process by

- which a person gets his/her ticket reserved. Your answer should consider Data Entry, Data Validation, Data Processing and Output Generation. 5
- (b) Decision support system (DSS) are an essential aid to decision-making in a modern business. Discuss the benefits, which can be expected from DSS for human recourse management (HRM). 5
7. (a) What is meant by system implementation ? Discuss various implementation strategies for a newly developed MIS in an organization. 5
- (b) Define DBMS. What are the six objectives of DBMS ? What is the most important factor in implementing a data-base management system ? 5

8. (a) What are the different components of an Expert system ? How expert systems assist in business decision making ? 5

(b) What are the different categories of MIS? Which is the most advanced category of MIS ? Discuss briefly. 5

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