

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER– IV EXAMINATION – SUMMER 2016

Subject Code: 640004

Date: 02-06-2016

Subject Name: Management Information Systems

Time: 10.30a.m. To 01.00p.m.

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 (a) Define Management Information system (MIS). What are benefits of MIS? **07**
Explain what different types of information at all levels of MIS are required and useful for an Academic Institution.

(b) Explain the impact of IT on organizations and on society. Also, write technical solution for privacy protection? **07**

Q.2 (a) What is analytical modeling? Explain Goal achieving analysis and goal seeking analytical modeling with examples. **07**

(b) Write brief note on : Methods for deciding decision alternatives **07**

OR

(b) Write a brief note on: Methods of conflict resolution and methods of dealing with uncertainty for enhancing organizational decision making. **07**

Q.3 (a) Define knowledge and its types. Explain Knowledge management. **07**

(b) Define DSS and explain following types of DSS : **07**

1. Information Analysis System
2. Status Inquiry System

OR

Q.3 (a) Explain With example Formation on Clusters and decoupling on the Basis of Managerial Function. **07**

(b) Explain General Model of MIS with example **07**

Q.4 (a) Explain with example Development Process of MIS with example **07**

(b) What are the objectives MIS in manufacturing sector? **07**

Explain input transaction, applications, queries decision analysis control types of reports, decision analysis and action update in MIS of Financial Management. .

OR

Q.4 (a) Explain Service Process Cycle and Analysis. How would you control quality of service through MIS support. Explain the application of MIS in Insurance sector with references to front end and back end applications. **07**

Q.4 (b) Explain the critical success factors and the factors responsible for failure of MIS. **07**

Q.5 (a) How information resources can be safeguarded using tools and technologies. Discuss required tools and technologies for the same. **07**

(b) Write Brief note on: Computer crime and Forensics. **07**

OR

Q.5 (a) What do mean by Information security? Why information has to be more secure in E-business applications. What are the probable measures to be taken for same? **07**

(b) Explain following: **07**

(i) Viruses , Worms and Trojan horses

(ii) Firewall and encryption
