

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
MCA - SEMESTER-IV • EXAMINATION – WINTER 2016

Subject Code: 640004

Date: 25/10/2016

Subject Name: Management Information System

Time: 10.30 am to 01.00pm

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)** What is information? List various types of information. Why good Quality of Information is critical to business? **07**
- (b)** i) Compare TPS, MIS and DSS. **04**
ii) Differentiate between Batch processing and Online processing. **03**

- Q.2 (a)** i) Define: a) Sniffing b) Rational Decision **02**
ii) Give one example of data, Information and Knowledge in Banking. **02**
iii) Give one example of Strategic, Tactical and Operational Information. **03**
- (b)** What is privacy? What actions an individual can take to safeguard the privacy of information? How IT industry can be used to safeguard the privacy of information? **07**

OR

- (b)** What is privacy? Briefly explain various technical solutions for privacy protection. **07**

- Q.3 (a)** i) Explain in brief three methods used for selection of decision. **04**
ii) What is software vulnerability? **03**
- (b)** i) What is ethics and code of conduct? **03**
ii) Explain in brief various authentication techniques used. **04**

OR

- Q.3 (a)** What is decision making Process? List and explain 4 ways to analyze decision. **07**
- (b)** Write short notes:
i) MIS Audit **04**
ii) Encryption and Public Key infrastructure **03**

- Q.4 (a)** What is system and system control? Discuss in depth various types of system. **07**
- (b)** Write short notes:
i) Knowledge Management **04**
ii) Classification of Information **03**

OR

- Q.4 (a)** What is system? Explain in brief various classes of systems. **07**
- (b)** List attributes of information. Discuss various methods of data and information collection. **07**

- Q.5 (a)** Explain the application of MIS in Insurance. **07**
- (b)** Write short notes:
i) Knowledge Based Expert System **04**
ii) Security Policy **03**

OR

- Q.5** **(a)** Explain the application of MIS in Hospitals. **07**
 (b) Explain in brief Group Decision Support system (GDSS)? How it differs from **07**
 DSS?
