

## AMIETE – CS (OLD SCHEME)

Code: AC22  
Time: 3 Hours

Subject: MANAGEMENT INFORMATION SYSTEMS  
Max. Marks: 100

**DECEMBER 2010**

NOTE: There are 9 Questions in all.

- Question 1 is compulsory and carries 20 marks. Answer to Q.1 must be written in the space provided for it in the answer book supplied and nowhere else.
- The answer sheet for the Q.1 will be collected by the invigilator after half an hour of the commencement of the examination.
- Out of the remaining EIGHT Questions answer any FIVE Questions. Each question carries 16 marks.
- Any required data not explicitly given, may be suitably assumed and stated.

**Q.1 Choose the correct or best alternative in the following: (2x10)**

- a. An information system that responds immediately to the needs of the physical system is called
- (A) inline system                      (B) on line system  
(C) off line system                      (D) real time system
- b. Computer information system are most successful in providing information for
- (A) control decisions  
(B) planning decisions  
(C) strategic decisions  
(D) non programmable decisions
- c. As opposed to detailed transaction information, the management information system (MIS) responds to the need for
- (A) electronic data processing              (B) managerial information  
(C) accounting application              (D) utility billing information
- d. A central purpose of most decision-support system is
- (A) to build a model of the decision-making problem  
(B) to design a database management system  
(C) to build an expert system  
(D) to determine the key decision in the problem area
- e. MRP stands for
- (A) marketing research planning              (B) management resource planning  
(C) manufacturing resource planning (D) material requirement planning

- f. Which of the following is not one of the factors affecting the difficulty of the MIS projects
- (A) objective of the firm                      (B) the existing MIS  
(C) management abilities                      (D) employee attitude
- g. A periodic report can facilitate management by exception by
- (A) consolidation of multiple transactions into a summary form.  
(B) including complete alphabetic descriptions for each numeric entry.  
(C) including only those transactions that fall within predetermined limits of acceptable performance.  
(D) comparing actual performance with acceptable standards.
- h. Encryption is being used primarily with
- (A) transaction only                              (B) computer processing  
(C) file retention                                  (D) data communication
- i. Which of the following is a tactical decision
- (A) capital-source decision                      (B) product decision  
(C) plant-location decision                      (D) budget allocation
- j. Which of the following is not true of operational decisions
- (A) concern the execution of specific tasks  
(B) primarily made by middle management  
(C) usually have preset standards  
(D) include acceptance or rejection of credit

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**Answer any FIVE Questions out of EIGHT Questions.  
Each question carries 16 marks.**

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- Q.2** a. Explain the following managerial functions: (8)  
(i) Planning  
(ii) Organization
- b. List the major differences between a manual data processing system and a computer data processing system. (4)
- c. What are the security threats to information system? (4)
- Q.3** a. Define data capturing. Which are four basic methods used to collect data? (8)
- b. Explain the parameters on which an organization is structured? (8)

- Q.4** a. How are multiple tables joined in a database? (5)  
b. What is the advantage of data independence? (5)  
c. How is data mining different from traditional statistical analysis? (6)
- Q.5** a. What are the primary reasons for creating business models? (6)  
b. What are the common limitations of expert systems? (6)  
c. List any two characteristics of a decision support system? (4)
- Q.6** a. What are the costs and dangers of strategic implementations? (8)  
b. How does EC differ in the three areas of prepurchase, purchase and postpurchase? (8)
- Q.7** a. What additional steps are needed to start an e-commerce firm or to expand a conventional firm into e-commerce? (8)  
b. Explain why system analysis is the most critical process in the systems development life cycle? (8)
- Q.8** a. Explain prototyping? What are the advantages of prototyping over SDLC method? (8)  
b. Differentiate between joint application design (JAD) and rapid application development (RAD)? (8)
- Q.9** a. What are the basic roles of the MIS department? Also list any two objectives of MIS? (8)  
b. What are the advantages and disadvantages of centralization and decentralization of MIS staff? (8)