AMIETE – CS (OLD SCHEME)

Code: AC22   **Subject: MANAGEMENT INFORMATION SYSTEMS**
Time: 3 Hours   **Max. Marks: 100**

JUNE 2011

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 45 Minutes 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 the best alternative in the following: (2×10)

  a. Summary transaction data, high-volume data, and simple models are information inputs characteristic of a(n):

   (A) DSS   **(B)** MIS
   (C) ESS   **(D)** TPS

  b. Management information systems usually:

   (A) serve managers interested in weekly, monthly, and yearly results, not day-to-day activities
   (B) help managers make decisions that are unique, rapidly changing, and not easily specified in advance
   (C) provide managers with a generalized computing and telecommunications capacity that can be applied to a changing array of problems
   (D) perform and record the daily routine transactions necessary to the conduct of business

  c. Decision support systems usually

   (A) serve managers interested in weekly, monthly, and yearly results, not day-to-day activities.
   (B) help managers make decisions that are unique, rapidly changing, and not easily specified in advance.
   (C) provide managers with a generalized computing and telecommunications capacity that can be applied to a changing array of problems
   (D) perform and record the daily routine transactions necessary to the conduct of business

  d. Which of the following is a network of facilities for procuring materials, transforming raw materials into intermediate and finished products, and distributing the finished products to customers?

   (A) production chain   **(B)** primary chain
   (C) supply chain   **(D)** distribution chain

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e. Enterprise systems support

    (A) manufacturing processes.   **(B)** financial and accounting processes
    (C) human resource processes   **(D)** all of the above

f. Tactical information is needed for

    (A) Day to day operations   **(B)** Meet government requirements
    (C) Long range planning   **(D)** Short range planning

g. Strategic information is:

    (A) Haphazard   **(B)** Well organized
    (C) Unstructured   **(D)** Partly structured

h. The technology for finding hidden patterns and relationships in large databases and inferring rules from them to predict future behaviour best describes:

    (A) data warehousing   **(B)** knowledge acquisition
    (C) data mining   **(D)** data clustering

i. Each of the following is a DSS component except

    (A) database   **(B)** software system
    (C) user interface   **(D)** inference engine

j. An interactive computer-based system to facilitate the solution to unstructured problems by a set of decision makers working together as a group best describes a(n):

    (A) group decision-support system   **(B)** decision-support system
    (C) executive support system   **(D)** geographic information system

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

Q.2 a. What are the components of Management Information System?   **(8)**

      b. Describe the three basic levels of management decisions. Give some examples of type of information required by different levels of management.   **(8)**

Q.3 a. What are access controls and how they are used to protect information?   **(8)**

      b. What is Electronic Data Interchange (EDI)? What are the advantages of using EDI in e-commerce?   **(8)**

Q.4 a. Explain the procedure to avoid resistance to MIS implementation.   **(8)**

      b. What the basic principles of classical organizational theories?   **(8)**

Q.5 a. Write short notes on: **(2×**
       (i) Data Independence
       (ii) Data Integrity

     b. What is Enterprise Resource Planning (ERP)? What are the characteristics of ERP systems? **(8)**

Q.6 a. What are Expert Systems? What basic steps are involved in creating an expert system? **(8)**

     b. What are the basic reasons for creating and using business models? **(8)**

Q.7 a. Why are barriers to entry is important to gain a competitive advantage? **(8)**

     b. Discuss SDLC in brief. **(8)**

Q.8 a. What are the three broad fundamentals on which entrepreneurship is built?**(10)**

     b. What are the advantages of centralization and decentralization of computer hardware, software, and data? **(6)**

Q.9 a. What are the advantages and disadvantages of pre-written packages? **(8)**

     b. What are the drawbacks of system development life cycle methodology of system development? **(8)**