



September 10, 2007

INFORMATION TECHNOLOGY

(Marks 60)

Module D

(1 hour 45 minutes)

- Q.1 E-commerce has experienced tremendous growth over the past decade. Many retail businesses now offer some form of e-commerce services as no one wants to be left behind in the global race for business in the information age. However, not all companies have proved successful in their e-commerce ventures. Indeed, bursting of dot com bubble at the turn of last century proves that merely establishing a presence as an e-commerce company does not guarantee success.

You are required to explain the success factors which an aspiring e-commerce company should adopt to succeed in its e-commerce initiative.

(06)

- Q.2 Resource Enterprises (RE) is a reputed recruiting agency. One of their clients has embarked on an ambitious program to induct entry-level fresh graduates at its various locations. The client has requested them to assist in short-listing the right candidates from the job applications which they might receive. RE decided to develop a computer application to significantly automate the process of analyzing and short-listing job applications. They plan to have a comprehensive program which could be used for other clients as well.

You are required to list down at least eight system functionalities which the above mentioned system should have, to meet the objectives of RE.

(10)

- Q.3 (a) Local area networks (LANs) using wireless media is gaining immense popularity now-a-days. Briefly describe Wireless LAN and list three key advantages and disadvantages of wireless LAN.

(08)

- (b) Briefly explain distributed processing.

(02)

- Q.4 (a) A relationship is a natural business association that exists between one or more entities. Sometimes, relationships are also referred to as data associations. Give an example of each of the following types of relationships:

- One to One
- One to Many
- Many to Many

(03)

- (b) List four types of storage media which can be used for taking back-up.

(02)

- Q.5 Explain each of the following types of controls. Also give two suitable examples in each case.

- (a) Preventive Controls
- (b) Detective Controls
- (c) Corrective Controls

(03)

(03)

(03)

(2)

- Q.6 (a) A global Web of computers i.e. the Internet allows individuals to communicate with each other. It provides a quick and easy exchange of information and is recognized as the central tool in the present era.

You are required to explain the following terms related to Internet:

- Web Page (02)
- Home Page (02)
- URL (03)

- (b) Explain the security risks associated with the use of instant messenger in a corporate environment. (03)

- Q.7 Vibrant Traders is a medium sized trading company. The company is in the process of documenting its payment procedures. The management has formulated the following rules for signing of cheques:

- All cheques should be signed by two signatories not below the rank of managers.
- Cheques upto Rs. 100,000 may be signed by two managers.
- Cheques upto Rs. 1.0 million should be signed by at least one director.
- Cheques of more than Rs. 1.0 million shall be signed by two directors.

Prepare a decision table to assist in the verification of cheques. (10)

(THE END)