



The Institute of Chartered Accountants of Pakistan

Information Technology

Intermediate Examination
Autumn 2011
Module D

12 September 2011
60 marks – 1³/₄ hours
Additional reading time – 15 minutes

Instructions to Candidates:

- (i) *All the Questions from Section – A are compulsory.*
(ii) *Attempt any TWO out of THREE Questions from Section – B.*

Section A

Q.1 After a recent mishap in Kamal Electrical Company Limited, one of its directors has suggested that the use of external storage devices should be prohibited altogether. However, the IT manager is of the view that this suggestion is not practical.

Required:

- (a) Explain how you would justify the IT Manager's contention. *(03 marks)*
(b) Identify the threats involved in the use of external storage devices and suggest steps to minimize them. *(02 marks)*

Q.2 The management of Jamal Airways (JA) is revisiting its information processing and reporting systems. After carrying out a need analysis and evaluating the capabilities of existing systems, the management is inclined to develop a customized Executive Support System (ESS). However, many directors are not convinced as some of them have poor experience of such systems.

Required:

Being one of the board members of JA and an active supporter of ESS, identify the:

- (a) key features of an ESS. *(05 marks)*
(b) factors that may have been responsible for the problems experienced by some of the directors. *(05 marks)*

Q.3 Nihal Industries Limited is considering to replace its present information processing and reporting system with a real time system. In this regard, a team has been appointed to carry out a feasibility study.

Required:

- (a) Specify any **ten** points which in your opinion, may form part of the terms of reference of the above team. *(10 marks)*
(b) Identify the factors on account of which security of real time systems is more difficult as compared to batch processing systems. *(04 marks)*

Q.4 Explain the key characteristics of three commonly used wired telecommunication media. *(06 marks)*

Q.5 Briefly explain the key contents of a disaster recovery plan. *(05 marks)*

Section B

Q.6 The flowchart is a mean of visually presenting the flow of data through an information processing system, the operations performed within the system and the sequence in which they are performed.

Required:

- (a) Draw and briefly explain five symbols commonly used in a flowchart. *(05 marks)*
(b) Identify the advantages of using flowcharts. *(05 marks)*

Q.7 Smart Products Limited (SPL) is engaged in the marketing of hand bags and similar products throughout Pakistan. It is planning to launch an e-business enabled website primarily for the purpose of online sales of its products. The management of SPL has hired you as a Consultant to assist them in this venture.

Required:

- (a) What features would you consider necessary in such a website? *(06 marks)*
(b) Identify any four ways that may be used to market the website through Internet. *(02 marks)*
(c) Identify the limitations associated with the use of such a website. *(02 marks)*

Q.8 Vital Bank Limited (VBL) is a medium sized bank. To achieve quick growth VBL has been focusing on extending its online banking services. As part of this strategy, it intends to introduce mobile banking services.

Required:

- (a) Identify the benefits which VBL could gain by initiating mobile banking services. *(05 marks)*
(b) Identify **six** types of services that can be offered through mobile banking. *(03 marks)*
(c) Briefly describe the challenges that VBL might have to face while developing the application of mobile banking. *(02 marks)*

(THE END)