



**THE INSTITUTE OF CERTIFIED PUBLIC ACCOUNTANTS OF
PAKISTAN (ICPAP)**

Stage	Essentials	Course Code	E-303
Examination	Winter-2011	Course Name	Information Technology Management, Audit & Control
Time Allowed	03 Hours	Maximum Marks	100
NOTES: 1. All questions are to be attempted. 2. Answers are expected to be precise, to the point and well written. 3. Neatness and style will be taken into account in marking the papers.			

Question No 1:-

a) Define the following e-business models:-

- Business to Business (B2B)
- Business to Consumer (B2C) (2 marks)

b) Bashir Khan is the sole proprietor of Bashir Books Company. You are a web developer who specializes in developing e-commerce website. Bashir Khan is not aware of advantages of doing business over internet. How will you convince B.K that establishing his own online web-store will benefit so that he hires your services. (Write atleast six advantages of online businesses with brief description). (6 marks)

c) However B.K has concerns over your proposition. Stat atleast two disadvantages of online business that B.K mentioned? (2 marks)

Question No 2:-

Congratulation on being hired as IT manager of Shell Electronics. Unfortunately, there are is no formal planning of the company IT needs and an IT Strategy is desperately required to get things in order.

a) While formulating an IT strategy for your new organization, what factors will you keep in mind? (12 marks)

b) What are the advantages of and effective IT strategy? (4 marks)

c) What is the impact foreseen, of your IT Strategy on current business processes? (4 marks)

Question No 3:-

- a) Define Information technology controls? What are the key objectives of implementing IT control? (2 marks)
- b) Arshad Hussain has been appointed as CIO of Heieron Technologies. Heieron Technologies provides IT solution and automate the business processes of its clients. As a CIO of H.T Arshad, please elaborate what are Arshad Hussain's responsibilities towards the systems developed for H.T clients. (4 marks)
- c) ITGC (IT General Controls) represents the foundation of the IT control structure. They help ensure the reliability of data generated by IT systems and support the assertion that systems operate as intended and that output is reliable. What type of controls are parts of ITGC? (Max nine) (9 marks)
- d) IT application or program controls are designed to ensure the complete and accurate processing of data, from input through output. As a CIO what IT application controls shall Arshad Hussain introduce in the company's application development System? (5 marks)

Question No 4:-

- a) What are the main reasons of failure of computer projects? (6 marks)
- b) How can 'Control Environment' and 'Risk Assessment' reduce the chances of a software project failure? (6 marks)
- c) Define ERP System? (2 marks)
- d) How can an ERP system improve the overall efficiency of an organization as big as say, Siemens? (8 marks)
- e) Does an ERP system have disadvantages of its own? If so, elaborate? (4 marks)

Question No 5:-

- a) Define Information Security? (2 marks)
- b) Elaborate
 - i. Authentication
 - ii. Confidentiality
 - iii. Integrity(6 marks)
- c) Define Information System Audit? (2 marks)
- d) Elaborate the five major steps auditor shall take to ensure the audit risk will be limited to an acceptable level? (10 marks)
- e) List any four limitation of Generalized Audit Software? (4 marks)

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