

**INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN**



**Spring (Summer) 2010 Examinations**

Wednesday, the 26th May 2010

**INTRODUCTION TO INFORMATION TECHNOLOGY (S-204)  
STAGE-2**

**Time Allowed – 2 Hours 45 Minutes**

**Maximum Marks – 40**

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- (i) Attempt ALL questions.
  - (ii) Answers must be neat, relevant and brief.
  - (iii) In marking the question paper, the examiners take into account clarity of exposition, logic of arguments, presentation and language.
  - (iv) Read the instructions printed inside the top cover of answer script CAREFULLY before attempting the paper.
  - (v) DO NOT write your Name, Reg. No. or Roll No. anywhere inside the answer script.
  - (vi) Question No.1 – “Multiple Choice Question” printed separately, is an integral part of this question paper.
  - (vii) There will also be a practical examination of 50 marks.
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**MARKS**

**SECTION “A” – HARDWARE**

- Q.2 (a)** What is multimedia technology? How can it be useful in the following? **04**
- (i) Marketing
  - (ii) Learning application
  - (iii) Computer games
- (b)** What are registers? How can registers help during processing? **02**
- (c)** Discuss the functionality and features of USB port. **02**
- Q.3 (a)** Discuss the trends in storage media technologies. Explain in detail how do magnetic disks and optical disks work ? **04**
- (b)** Briefly describe the following terms related to computer’s memory: **04**
- (i) CMOS RAM
  - (ii) Pipeline cache
  - (iii) Virtual memory
  - (iv) DIMM

**SECTION “B” – SOFTWARE**

- Q.4 (a)** Define the following terms: **04**
- (i) Batch processing
  - (ii) Multiprogramming
  - (iii) Multiprocessing
  - (iv) Timesharing

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- (b) What are backup and recovery procedures and why are these procedures necessary for a computer system? Explain. **04**
- Q.5 (a)** What do you understand by pre-written software and customized software? Which steps should be followed for ordering customized software? **04**
- (b) What is documentation? Why proper documentation of software is necessary for an organization? **04**

**SECTION “C” – NETWORK & SECURITY**

- Q.6 (a)** How can the following mechanisms help in implementing security on networks such as the Internet? **03**
- (i) Firewalls
  - (ii) Digital signatures
  - (iii) Authentication and authorization
- (b) Describe the following types of networks briefly: **03**
- (i) WAN
  - (ii) MAN
  - (iii) Hybrid network
- (c) Describe the following data transmission modes with examples of each taken from daily life: **02**
- (i) Half duplex
  - (ii) Full duplex

**THE END**