

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



**New Fall (E) 2011, April 2012 Examinations**

Saturday, the 21st April 2012

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

**Time Allowed – 2 Hours 15 Minutes**

**Maximum Marks – 40**

**Roll No.:**

- (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.
- (viii) **Question Paper must be returned to the invigilator before leaving the examination hall.**

**MARKS**

**SECTION “A” – HARDWARE**

- Q.2 (a)** What is the difference between ‘analog’ and ‘digital’ computers? Explain what is a ‘hybrid’ computer? **03**
- (b)** Give reasons why ‘optical disks’ are a better storage medium for data archiving as compared to ‘magnetic tapes’ and magnetic disks? **03**
- (c)** There are some ‘registers’ common to all computers. Explain the names and functions of these registers. **02**
- Q.3 (a)** What is the function of ‘internal’ bus? Describe the factors that should be considered while evaluating the processing power of a computer. **03**
- (b)** List the three different types of ‘terminals’ used for data input and describe some of the ways they are used. **03**
- (c)** Briefly explain the different measurements of ‘disk storage capacity’ from a bit to terabyte. **02**

**SECTION “B” – SOFTWARE**

- Q.4 (a)** What is ‘multitasking’? Discuss similarities and differences, if any between multiprogramming and multitasking. **03**
- (b)** There are three principal methods of storing and retrieving the data. Briefly discuss each method. **03**
- (c)** Discuss the analogy between a ‘computer language’ and a ‘natural language’. **02**

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- Q.5 (a)** Describe the difference between 'file management system' and 'database management system'. **02**
- (b)** Define following terms: **04**
- (i) System software
  - (ii) Application software
  - (iii) Software development steps
  - (iv) Advantages of high-level languages

**SECTION "C" – NETWORK & SECURITY**

- Q.6 (a)** Discuss the important purposes of a 'networking'. Differentiate between private networks, value added networks and integrated services digital networks. **04**
- (b)** Write short notes on the following: **03**
- (i) Network Interface Unit
  - (ii) Electronic data Interchange (EDI)
  - (iii) TCP/IP communication architecture
- (c)** Define briefly the following terms with respect to the Internet: **03**
- (i) HTML
  - (ii) Web server
  - (iii) Web client
  - (iv) Web browser
  - (v) URL
  - (vi) HTTP

**THE END**