

INSTITUTE OF COST AND MANAGEMENT ACCOUNTANTS OF PAKISTAN



Spring (August) 2012 Examinations

Saturday, the 1st September 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 clock speed of a computer system? How does it influence the overall speed of a computer system? **02**
- (b)** What is a multi-core processor? How does it differ from a simple-core processor? **02**
- (c)** What do you understand by 8-bit computers, 16-bit computers and 32-bit computers. Discuss their advantages. **02**
- Q.3 (a)** Hard disks are normally categorized into three types. Explain **03**
- (b)** Briefly describe four types of optical disks. **04**
- (c)** Discuss the following input devices briefly: **03**
- i) Data scanning devices
 - ii) Digitizer
 - iii) Speech recognition devices

SECTION “B” – SOFTWARE

- Q.4 (a)** What is Open Source Software (OSS)? What are its advantages as compared to conventional commercial software? **03**
- (b)** Programs written in machine language execute very fast. However, there are some disadvantages in writing a program in machine language. Discuss. **03**
- (c)** Enumerate the advantages of intermediate language compiler and interpreter. **02**

PTO

MARKS

- Q.5 (a)** Briefly explain the factors generally influence selecting a language for coding an application. **03**
- (b)** Briefly touch upon the parameters used to measure the efficiency of an operating system. **03**

SECTION "C" – NETWORK & SECURITY

- Q.6 (a)** Organizations hire services of data transmission service providers (carriers) for data communication. Briefly explain some common types of services offered by them. **04**
- (b)** Briefly discuss the following data transmission media: **03**
- i) Twisted pair wire
 - ii) Coaxial cable
 - iii) Optical fibers
- (c)** Networks are classified broadly into two types: Local Area Network (LAN) and wide area network (WAN). Elaborate the key characteristics that differentiate these two types of networks. **03**

THE END