

**MODEL PAPER "COMPUTER SCIENCE"****Intermediate Part-I Examination, 2007****(Academic Session 2006-08)**

Roll No. \_\_\_\_\_

In Figures \_\_\_\_\_

In Words \_\_\_\_\_

**OBJECTIVE****Time: 20 Minutes****Marks: 15****Note: Write your Roll No. in space provided. Over-writing, Cutting, Erasing, Using lead pencil will result in loss of marks.****Q.No.1. Each question has four possible answers. Choose the correct answer and in circle it. 15**

- (i) Which function key is used for checking spellings and grammar in Excel?  
 (a) F1 (b) F2 (c) F7 (d) F12
- (ii) Digitizing/Graphic table is a/an \_\_\_\_\_ device.  
 (a) Output device (b) Scanning Device  
 (c) Pointing Device (d) None of these
- (iii) EL stand for  
 (a) Electrical Luminescent Display (b) Energy-Luminescent Display  
 (c) Electro-Luminescent Display (d) None of these
- (iv) 1 Terabyte equals to \_\_\_\_\_ bytes.  
 (a) 1024 (b) 1024 \* 1024 \* 1024  
 (c) 1024 \* 1024 \* 1024 \* 1024 (d) None of these
- (v) Each location in primary storage is assigned a unique  
 (a) Data (b) Fields (c) Name (d) Address
- (vi) \_\_\_\_\_ keeps track of the program during execution.  
 (a) Address register (b) Program counter register  
 (c) Data register (d) Accumulator register
- (vii) Information travels between components of a computer through groups of wires called  
 (a) Cards (b) Busses (c) Slots (d) Ports
- (viii) Stored instructions and data in a digital computer consists of  
 (a) Alphabets (b) Numerals (c) Bits (d) All of these
- (ix) A digital computer system consists of a Central Processing Unit (CPU) interfaced with  
 (a) Input devices (b) Auxiliary storage (c) Output devices (d) All of these
- (x) What layer of the OSI Model does data compression  
 (a) Network (b) Data Link (c) Presentation (d) All of these
- (xi) Which of the following access methods listens to the cable for network traffic before sending data?  
 (a) Token passing (b) Polling (c) CSMA/CA (d) CSMA/CD
- (xii) In a networking environment, a network adapter card driver is needed for:  
 (a) Communication with other adapter cards on a network  
 (b) Communication between the file server and the other computer on the network  
 (c) Communication between the adapter card and the computer's operating system  
 (d) Communication between different types of computers on a network

- (xiii) Which of the following statement best describes a star topology?
- (a) Needs significantly less cabling than other topologies
  - (b) Breaks in a single cable segment takes down entire network
  - (c) More difficult to reconfigure than other topologies
  - (d) Centralized monitoring and management
- (xiv) A program that performs a useful task and at the same time carries out some secret destructive act, is known as a
- (a) Sabotage
  - (b) Trojan horse
  - (c) Worm
  - (d) Logic bomb
- (xv) The most common protocol used for uploading and downloading files between computer is
- (a) TCP/IP
  - (b) NNTP
  - (c) FTP
  - (d) Telnet

# **MODEL PAPER "COMPUTER SCIENCE"**

**Intermediate Part-I Examination, 2007**

**(Academic Session 2006-08)**

## **SUBJECTIVE**

**Time: 2:10Hours**

**Marks: 60**

**Note: - Attempt any Eighteen (18) questions from Section -I and any THREE questions form Section-II**

## **SECTION -I**

**Q.No.2. Attempt any EIGHTEEN (18) questions.**

**(18x2)=36**

- (i) Is BUS topology easy to install and extend? Prove your claim with valid arguments
- (ii) Describe the two major types of software?
- (iii) What is your understanding of Testing Phase in a System Development Life Cycle?
- (iv) Give arguments and make clear the idea about a computer simulation.
- (v) Explain Impact printer and also name its different types.
- (vi) Define information technology. Has it made our world a global village?
- (vii) Explain Workgroup computing.
- (viii) Give two major differences between Intranet and Extranet.
- (ix) Describe Gopher.
- (x) Distinguish between FTP and HTTP.
- (xi) Describe the functions of Central Processing Unit.
- (xii) Briefly describe the session layer of the OSI model.
- (xiii) What is a data communication mode? Name its three modes.
- (xiv) Briefly explain EBCDIC.
- (xv) Differentiate between guided and unguided media.
- (xvi) Write down three uses of computers in various fields.
- (xvii) What is E-Commerce? Describe the services commonly used in E-Commerce.
- (xviii) Write five benefits of CBT.
- (xix) Briefly describe Bus Interconnection.
- (xx) What is RAM? Give names of its different types.
- (xxi) Explain in your words the basic function of EEPROM.
- (xxii) Define I/O Unit.
- (xxiii) What is the function of Stack Segment Register.
- (xxiv) What are the major functions of a compiler.
- (xxv) Describe Chernobyl Virus.
- (xxvi) Explain different steps involved in Instruction execution cycle.
- (xxvii) Is Instruction Set varies from CPU to CPU? If yes then elaborate your claim.

**SECTION -II**

**Note: - Attempt any THREE questions.**

**8x3=24**

- Q.No3. Describe the OSI Model with special emphasis on the layers of OSI Model. **8**
- Q.No4. What is data coding? Describe different data coding schemes. **8**
- Q.No5. What is a system? Illustrate briefly System Development Life Cycle. **8**
- Q.No6. What is data communication? Define the basic component of communication network. **8**
- Q.No7. Explain the architecture of computer system. **8**