

**MODEL PAPER “COMPUTER SCIENCE”**  
**Intermediate Part-I Examination, 2008 & Onward**

Roll No. \_\_\_\_\_  
In Figures \_\_\_\_\_  
In Words \_\_\_\_\_

**OBJECTIVE**

**Time: 20Minutes**

**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.7. Each question has four possible answers. Choose the correct answer and encircle 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

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**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.1. 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.No2.** Describe the OSI Model with special emphasis on the layers of OSI Model. **8**
- Q.No3.** What is data coding? Describe different data coding schemes **8**
- Q.No4.** What is a system? Illustrate briefly System Development Life Cycle. **8**
- Q.No5.** What is data communication? Define the basic component of communication network. **8**
- Q.No6.** Explain the architecture of computer system. **8**