

**MODEL PAPER "COMPUTER SCIENCE"**  
**Intermediate Part-I Examination**

**OBJECTIVE**

**Time: 20Minutes**

**Marks: 15**

**Q.No.1.Note:Write answers to the questions on the objective answer sheet provided.**

**You have four choices for each objective type question as A, B, C, and D. The choice which you think is correct; fill the circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling to or more circles will result in zero mark in that question. Attempt as many question as given in objective-type question paper and leave others blank.**

- (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**

**SUBJECTIVE**

**Time: 2:10Hours**

**Marks: 60**

**SECTION -I**

**Note: Out of Questions Nos.2,3, and 4 write any 18(Eighteen) short answers. While writing answer write question No. carefully.**

**Q.No.2. Write short answers.**

**(18x2)=36**

- (i) What is Information and Technology? How has it made our world a global village?
- (ii) What is computer?
- (iii) Differentiate between hardware and software. Also give examples.
- (iv) Differentiate between De Facto and De Jure.
- (v) Explain workgroup computing.
- (vi) Is BUS topology easy to install and extend? Prove your claim with valid arguments.
- (vii) What is data communication? Name its three modes.
- (viii) Differentiate between guided and unguided media.
- (ix) What is Modem? What are its different types?

**Q.No.3. Write short answers.**

- (i) Write down the three uses of computers in various fields.
- (ii) What is computer simulation? Explain.
- (iii) What is RAM? What are its different types?
- (iv) Briefly describe bus interconnection.
- (v) What is function of General Purpose Registers?
- (vi) Explain different steps involved in Instruction Execute Cycle.
- (vii) Differentiate between interpreter and compiler.
- (viii) Describe boot sector virus.
- (ix) Write down two causes of computer virus.

**Q.No.4. Write short answers.**

- (i) Differentiate between multitasking and multiprocessing.
- (ii) What is a word processor?
- (iii) What is the difference between copy and cut?
- (iv) What are the two modes of typing?
- (v) How a document is printed in MS Word?
- (vi) What is a spreadsheet program?

- (vii) What is meant by cell reference?
- (vii) What are functions? Write the function to find average of cells between B1 and B10.
- (viii) What is Web browsing? Write two limitations of email.

### SECTION -II

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

**8x3=24**

- Q.No5.** Describe the OSI Model with special emphasis on the layers of OSI Model. 8
- Q.No6.** What is data coding? Describe different data coding schemes 8
- Q.No7.** What is a system? Illustrate briefly System Development Life Cycle. 8
- Q.No8.** What is data communication? Define the basic component of communication network. 8
- Q.No9.** Explain the architecture of computer system. 8