

Paper Code Number: 2833	2024 (1 <sup>st</sup> -A) INTERMEDIATE PART-I (11 <sup>th</sup> Class)	Roll No: _____			
<b>COMPUTER SCIENCE PAPER-I GROUP-I</b>					
<b>TIME ALLOWED: 20 Minutes</b>		<b>OBJECTIVE</b>			
		<b>MAXIMUM MARKS: 15</b>			
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	MS-DOS operating system is a:	Command line OS <input checked="" type="radio"/>	GUI OS	Multiuser OS	Multitasking OS
2	Keyboard shortcut that is used to change the case:	Ctrl + Alt + F3	Alt + F3	Ctrl + F3	Shift + F3 <input checked="" type="radio"/>
3	The cell range C3 through H3 should be typed as:	C3 – H3	C3 : H3 <input checked="" type="radio"/>	C3 ... H3	C3 to H3
4	If the custom format is ##.00, then 58 will be displayed as:	58.00 <input checked="" type="radio"/>	5.80	5.08	0.58
5	Additional files enclosed with email is called:	Protocol	Attachment <input checked="" type="radio"/>	File	Document
6	Multiple choice examination answer sheet can be evaluated automatically using:	MICR	OCR	OMR <input checked="" type="radio"/>	Magnetic Strip
7	The device driver is a type of:	System software <input checked="" type="radio"/>	Utility program	Application software	Packaged software
8	The topology used by Ethernet protocol is:	Star	bus <input checked="" type="radio"/>	Mesh	Ring
9	The term "De-jure" refers to the standards:	by fact	by nature	by law <input checked="" type="radio"/>	by tradition
10	The height of wave within a given period of time is called:	Phase	Frequency	Pulse	Amplitude <input checked="" type="radio"/>
11	The internal transfer of binary data in a computer uses:	Parallel mode <input checked="" type="radio"/>	Serial mode	Sequential	Direct mode
12	A scanner that passes the rays over the body of patient is:	OMR	OCR	CAT <input checked="" type="radio"/>	MICR
13	The technology that is used to build cache is:	DRAM	SRAM <input checked="" type="radio"/>	PROM	EPROM
14	The register which holds the fetched instruction is:	MAR	PC	MBR <input checked="" type="radio"/>	IR
15	Trojan horse is a type of:	Driver	Antivirus	Virus <input checked="" type="radio"/>	Horse

2024 (1<sup>st</sup>-A)INTERMEDIATE PART-I (11<sup>th</sup> Class)

Roll No: \_\_\_\_\_

## COMPUTER SCIENCE PAPER-I GROUP-I

TIME ALLOWED: 2.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 60

## SECTION-I

## 2. Write short answers to any six parts.

pakcity.org

 $6 \times 2 = 12$ 

- (i) How does trackball work?
- (ii) Convert 256 MB into bytes.
- (iii) What happens when collision is detected in CSMA/CD LAN Protocols?
- (iv) How analog signals differ from digital signals?
- (v) What do you mean by External Modem?
- (vi) Differentiate between bridge and gateway.
- (vii) Which LAN topology is best to connect 50 computers in a room and why?
- (viii) Write down two functions of transport layer.
- (ix) State the purpose of FTP.

## 3. Write short answers to any six parts

 $6 \times 2 = 12$ 

- (i) What is Interrupt? How is it generated?
- (ii) What is the purpose of Accumulator register?
- (iii) Why ALU is necessary for a computer system?
- (iv) How does RAM effect processing?
- (v) How does logic bomb differ from other virus?
- (vi) What do you mean by data protection?
- (vii) Write any two methods used to maintain security on a computer.
- (viii) What do you know about domain name?
- (ix) Why newsgroups are created on the internet?

## 4. Write short answers to any six parts

 $6 \times 2 = 12$ 

- (i) What is paragraph formatting?
- (ii) How is Word Art inserted in a document?
- (iii) Differentiate between line spacing and paragraph spacing.
- (iv) Why is the thesaurus used in Word Processing?
- (v) Write a function that returns the square root of cell D7 in MS-Excel.
- (vi) Write a function that returns the average of cells C3 to C8 in MS-Excel.
- (vii) If the custom format 0000 is used then how 91 will be displayed?
- (viii) Differentiate between active cell and passive cell.
- (ix) What is relative reference in a worksheet?

## SECTION-II

## NOTE: Attempt any three questions.

 $3 \times 8 = 24$ 

5.	What is System software? Discuss three different types of system software.	2+2+2+2=8
6.	Explain four Encoding Schemes of Data.	2+2+2+2=8
7.	Explain any three uses of computer in medical field.	3+3+2=8
8.	Define Language Translator, discuss its types.	8
9.	Define Operating system. Discuss their types.	2+3+3=8

Paper Code Number: 2836	2024 (1 <sup>st</sup> -A) INTERMEDIATE PART-I (11 <sup>th</sup> Class)	Roll No: _____			
<b>COMPUTER SCIENCE PAPER-I GROUP-II</b>					
<b>TIME ALLOWED: 20 Minutes</b>		<b>OBJECTIVE</b>			
		<b>MAXIMUM MARKS: 15</b>			
Q.No.1	You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.				
S.#	QUESTIONS	A	B	C	D
1	Computer based weather forecasting depends on accurate collection of data from:	Television	Antenna	ROBOT	Weather stations
2	The brain of computer that executes the instructions is called:	System unit	RAM	CPU	ROM
3	The set of all instructions provided by a CPU is commonly known as:	Logical instructions	Instruction set	Transfer instructions	I/O instructions
4	A virus which activates at a certain date and time:	Chernobal virus	Trojan horse	Logic bomb	Redlof
5	Capability of an operating system to support and utilize two or more microprocessors is called:	Multiprocessing	Multitasking	Multiuser OS	Plug and play
6	Amount of space between paragraphs refers to:	Margins	Paragraph spacing	Alignment	Indents
7	If the custom format is #, # # # then 1700 will be displayed as:	1.700	17	0017	1,700
8	Absolute reference are created by adding:	\$	@	#	%
9	Protocol used by newsgroups to communicate is:	ARCnet	FTP	NNTP	MIME
10	XGA supports the resolution up to:	640 × 400	640 × 480	800 × 600	1024 × 768
11	Testing all program components together is called:	System testing	Pilot testing	Unit testing	White box testing
12	Which is an internet protocol?	Token Ring	Ethernet	TCP/IP	ARCnet
13	The network architecture that allows every computer to act as client as well as a server is:	Client/Server	Peer-to-peer	Dedicated server	Host system
14	Unicode uses:	16-bit	32-bit	64-bit	128-bit
15	A fiber-optic cable's core is measured in:	Inches	Microns	Centimeters	Millimeters

## 2. Write short answers to any six parts.

 $6 \times 2 = 12$ 

- (i) How does touchpad work?
- (ii) Convert 512 TB into MB.
- (iii) How does CSMA/CD work?
- (iv) Why server computer is more powerful than client computers?
- (v) What do you know about De-jure standards?
- (vi) Why token is used in ring topology?
- (vii) How tree topology is constructed?
- (viii) How is a digital signal represented graphically?
- (ix) What do you mean by Internal Modem?

## 3. Write short answers to any six parts

 $6 \times 2 = 12$ 

- (i) List two typical components of CPU.
- (ii) What is main memory? Does it store data permanently?
- (iii) Why RAM is so important?
- (iv) Why does machine language program execute faster?
- (v) What is biometrics?
- (vi) How does boot sector virus work?
- (vii) What is privacy issue?
- (viii) What do you know about ARPANET?
- (ix) What is an email attachment?

## 4. Write short answers to any six parts

 $6 \times 2 = 12$ 

- (i) Distinguish between cut and copy command.
- (ii) How are tables useful in MS-Word?
- (iii) What is text alignment in Word?
- (iv) How undo and Redo commands are used?
- (v) Write a function that returns the maximum number from cells B2 to B10.
- (vi) Write a formula to add the values in the cells B5, B6, B7.
- (vii) For the custom format ##.000, how the number 342.36 will appear?
- (viii) List two uses of spreadsheet program.
- (ix) Define function in Excel.

## SECTION-II

## NOTE: Attempt any three questions.

 $3 \times 8 = 24$ 

5. What is Computer? Discuss three primary components of computer system.  $2+2+2+2=8$
6. What is guided media? Discuss its three types.  $2+2+2+2=8$
7. Define E-Commerce. Explain its any three uses in E-Commerce.  $2+2+2+2=8$
8. Define OS, give examples of OS and discuss any four functions of OS briefly.  $8$
9. Write a note on Mouse Events and Keyboard Events.  $2+2+2+2=8$

# Multan Board-2023

Paper Code Number: 2837	2023 (1 <sup>st</sup> -A) INTERMEDIATE PART-I (11 <sup>th</sup> Class)	Roll No: _____			
<b>COMPUTER SCIENCE PAPER-I</b>					
<b>TIME ALLOWED: 20 Minutes</b>	<b>OBJECTIVE</b>	<b>MAXIMUM MARKS: 15</b>			
<b>Q.No.1</b> You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question.					
S.#	QUESTIONS	A	B	C	D
1	Typically cladding of a fiber optic cable is:	120 microns	500 microns	125 microns	625 microns
2	Television and radio broadcasts are example of:	Simplex mode	Half duplex mode	Full duplex mode	Multi mode
3	The process of making multiple copies of a document or image is called:	Word processing	Image processing	Reprographics	Duplication
4	A program that contains instructions to run a device is called:	Device driver	Device operator	Device organizer	Device system
5	Which of the following is slowest?	RAM	Registers	Cache memory	Hard disk drive
6	Which CPU register does hold the address of next instruction to be executed?	IR	PC	MAR	SP
7	The process of encoding data for security is called:	Password	Coding	Encryption	Decryption
8	Maximum number of primary partitions that can be created in a hard disk are:	1	2	3	4
9	Which shortcut key is used to cut the text in MS-Word?	Ctrl + C	Ctrl + V	Ctrl + X	Ctrl + K
10	The function that divides sum of the values by their number in MS-Excel is:	AVG( )	AVERAGE( )	DIV( )	DIVIDE( )
11	Web pages are created using:	HTML	HTTP	FTP	WWW
12	Testing of individual program components is called:	Unit testing	System testing	Isolation testing	Pilot testing
13	The resolution supported by SVGA is:	320 × 200	640 × 480	800 × 600	1024 × 768
14	The protocol used by all computers over the internet is called:	SNA	TCP/IP	Ethernet	OSI
15	The physical layout of computers and how the cable runs through them is called:	Network protocol	Network standard	Network model	Network topology

# Multan Board-2023

2023 (1<sup>st</sup>-A)

INTERMEDIATE PART-I (11<sup>th</sup> Class)

Roll No: \_\_\_\_\_

## COMPUTER SCIENCE PAPER-I

TIME ALLOWED: 2.10 Hours

SUBJECTIVE

MAXIMUM MARKS: 60

### SECTION-I

#### 2. Write short answers to any six parts.

$6 \times 2 = 12$

- (i) How would you elaborate Application software?
- (ii) Define the term Digital convergence.
- (iii) Differentiate between Soft copy and Hard copy.
- (iv) Convert 8GB into KB.
- (v) List two benefits of Video conferencing.
- (vi) How Computer can be used in offices?
- (vii) Describe Simulation.
- (viii) What is Cell address?
- (ix) Name two states of a cell in worksheet.

#### 3. Write short answers to any six parts

$6 \times 2 = 12$

- (i) What is the purpose of OSI model?
- (ii) How computers are connected in Mesh topology?
- (iii) Define Network protocol.
- (iv) Describe Bandwidth.
- (v) Define Digital signal.
- (vi) What is the purpose of Presentation layer?
- (vii) How Web Pages are created?
- (viii) Write two uses of Internet.
- (ix) What do you know about Newsgroups?

#### 4. Write short answers to any six parts

$6 \times 2 = 12$

- (i) How does a Cache Memory Work?
- (ii) What is DMA?
- (iii) How the Virus is activated?
- (iv) Write any two causes of Computer virus.
- (v) What is Password?
- (vi) What is Desktop?
- (vii) What is Primary partition?
- (viii) How Undo and Redo commands are used?
- (ix) Why selecting text is important in MS-Word?

### SECTION-II

#### NOTE: Attempt any three questions.

$3 \times 8 = 24$

5.	Briefly discuss primary components of a Computer system.	$2 + 2 + 2 + 2 = 8$
6.	Define Topology. Explain working of Bus Topology with diagram. Write its advantages and disadvantages.	8
7.	What is Guided Media? Briefly describe different types of guided media.	8
8.	What is ROM? Discuss its different types.	8
9.	What are CPU registers? Briefly discuss different general purpose registers.	8

## COMPUTER SCIENCE

## PAPER-I

TIME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 15

**Note:** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number, on bubble sheet. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

## Q.No.1

(1) 1 GB is equal to:  
 (A)  $2^{10} B$       (B)  $2^{20} B$       (C)  $2^{30} B$       (D)  $2^{40} B$

(2) Testing a program component is called:  
 (A) Pilot testing      (B) Isolation testing      (C) System testing      (D) Unit testing

(3) Data is in the form of frames at:  
 (A) Data Link Layer      (B) Network Layer      (C) Transport Layer      (D) Session Layer

(4) Every device has exactly two neighbours in:  
 (A) Bus Topology      (B) Star Topology      (C) Ring Topology      (D) Mesh Topology

(5) The height of wave within a given period of time is called:  
 (A) Analog      (B) Digital      (C) Frequency      (D) Amplitude

(6) Concurrent flow of bits is done in:  
 (A) Parallel Transmission      (B) Serial Transmission  
 (C) Asynchronous Transmission      (D) Synchronous Transmission

(7) Many products are designed by using:  
 (A) ATM      (B) CAD      (C) CAM      (D) CAL

(8) CPU sends command signals through:  
 (A) Data Bus      (B) Address Bus      (C) Control Bus      (D) Expansion Bus

(9) The output of a compiler is called:  
 (A) Object Code      (B) Source Code      (C) Software      (D) Program

(10) Backup of data is taken on:  
 (A) RAM      (B) ROM      (C) Hard disk      (D) Registers

(11) The work area of Windows Operating System is:  
 (A) Screen      (B) Desktop      (C) Control Panel      (D) Windows Explorer

(12) The maximum number of partitions that can be created on system are:  
 (A) 2      (B) 3      (C) 4      (D) 5

(13) A word processor can be used for:  
 (A) Editing Text      (B) Editing Images      (C) Editing Songs      (D) Editing Videos

(14) The grid of rows and columns is called:  
 (A) Word Processor      (B) Text Editors      (C) Numbers Editor      (D) Spreadsheet

(15) Internet differentiates one computer from another by:  
 (A) Architecture      (B) Manufacturer      (C) IP Address      (D) Brand Name

INTERMEDIATE PART-I (11<sup>th</sup> CLASS)

COMPUTER SCIENCE PAPER-I

SUBJECTIVE

TIME ALLOWED: 2.10 Hours

MAXIMUM MARKS: 60

NOTE: Write same question number and its part number on answer book, as given in the question paper.

SECTION-I

Q.No.2 Attempt any six parts.

 $6 \times 2 = 12$ 

- (i) Define system software.
- (ii) Name any four basic units of data storage.
- (iii) Define system testing.
- (iv) Why do we need training of users for a new system?
- (v) Define the term groupware.
- (vi) How does internet make this world a Global Village?
- (vii) Define Local Area Network.
- (viii) Describe Synchronous transmission.
- (ix) Define guided media. Give an example.

Q.No.3 Attempt any six parts.

 $6 \times 2 = 12$ 

- (i) What is ATM?
- (ii) What is message handling system?
- (iii) How can the computer help in marketing?
- (iv) List any three activities performed by control unit.
- (v) Which CPU unit performs the actual execution of instructions?
- (vi) Write four general purpose register.
- (vii) What is the purpose of data segment register?
- (viii) How can virus damage computer?
- (ix) What do you mean by data protection?

Q.No.4 Attempt any six parts.

 $6 \times 2 = 12$ 

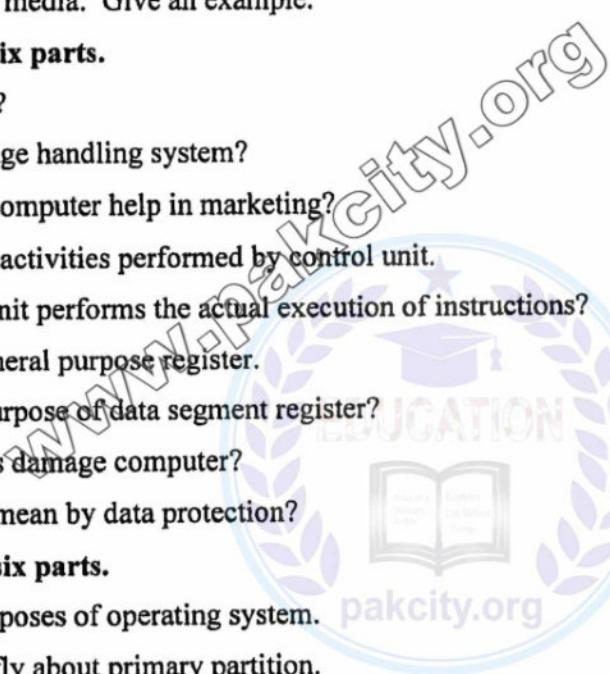
- (i) Write two purposes of operating system.
- (ii) Describe briefly about primary partition.
- (iii) Enlist four features of windows.
- (iv) Why do we use thesaurus in full featured word processor?
- (v) Differentiate between cut and paste commands in text editor.
- (vi) What is word processor?
- (vii) Define named range in MS-EXCEL.
- (viii) Describe about formula in MS-EXCEL.
- (ix) Define absolute referencing with an example.

SECTION-II

NOTE: Attempt any three questions.

 $3 \times 8 = 24$ 

5. Define network topology. Explain working of Bus topology with diagram and examples.  $2 + 4 + 1 + 1$
6. What is data communication? Describe the basic components of communication network.  $8$
7. What is CPU? Explain fetch, decode and execute cycle of CPU.  $2 + 2 + 2 + 2 = 8$
8. Explain four causes of computer virus.  $2 + 2 + 2 + 2 = 8$
9. Explain E-mail address and URL in detail.  $4 + 4$



## OMPUTER SCIENCE PAPER-I (NEW SCHEME)

IME ALLOWED: 20 Minutes

OBJECTIVE

MAXIMUM MARKS: 15

Note: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number. Use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve questions on this sheet of OBJECTIVE PAPER.

## Q.No.1

(1) A collection of raw facts and figures is called:  
 (A) Data      (B) Information      (C) Processing      (D) Computing

(2) Hardware is best described as:  
 (A) Program      (B) Physical parts      (C) Procedure      (D) Hard copy

(3) Each computer on a network is called:  
 (A) Link      (B) Code      (C) Node      (D) Mode

(4) Which is communication device?  
 (A) Router      (B) USB      (C) CD      (D) Ethernet

(5) Frequency is measured in:  
 (A) Sec      (B) BPS      (C) Volts      (D) Hertz

(6) BCD is \_\_\_\_\_ bit code.  
 (A) 2      (B) 3      (C) 4      (D) 8

(7) CU stands for:  
 (A) Control unit      (B) Cache unit      (C) Calculating unit      (D) Com unit

(8) ALU has \_\_\_\_\_ units.  
 (A) 1      (B) 2      (C) 3      (D) 5

(9) The secret word used for data protection is:  
 (A) Biocham      (B) Backup      (C) Password      (D) P.C

(10) A computer virus is a:  
 (A) Disease      (B) Software      (C) hardware      (D) Baeteria

(11) CBT stands for:  
 (A) Computer based trade      (B) Computer basic training  
 (C) Certificate based trade      (D) Computer based training

(12) Windows operating system was developed by:  
 (A) Sun system      (B) Microsoft      (C) Hewlett      (D) JAVA

(13) Shortcut key to save a file in MS-Word is:  
 (A) Ctrl + S      (B) Alt + S      (C) Ctrl + F      (D) Alt + F

(14) How many worksheets are in a workbook by default?  
 (A) 1      (B) 2      (C) 3      (D) 4

(15) Which of the following is internet protocol?  
 (A) TCP / IP      (B) IEEE      (C) MAC      (D) SNA

**Multan Board-2019**  
**INTERMEDIATE PART-I (11<sup>th</sup> CLASS)**

**OMPUTER SCIENCE PAPER-I (NEW SCHEME)**

**IME ALLOWED: 2.10 Hours**

**SUBJECTIVE**

**MAXIMUM MARKS: 60**

**OTE: - Write same question number and its part number on answer book, as given in the question paper.**



**SECTION-I**

**Q.No.2 Attempt any six parts.**

**$6 \times 2 = 12$**

- (i) List primary components of Computer System.
- (ii) Describe relationship between Hardware and Software.
- (iii) Write the use of trackball.
- (iv) List four basic units of data storage.
- (v) What is the difference between ISDN and DSL?
- (vi) Which two topologies are combined to make a tree topology?
- (vii) What is the use of Network Interface Card?
- (viii) Define Email attachment.
- (ix) Write the role of ISP.

**Q.No.3 Attempt any six parts.**

**$6 \times 2 = 12$**

- (i) Define Encoder.
- (ii) How data is represented in Memory?
- (iii) What is Broadband?
- (iv) Write any two benefits of video conferencing.
- (v) What is electronic banking?
- (vi) List two advantages of word processor over typewriter.
- (vii) What is meant by editing a MS-Word document?
- (viii) Define Worksheet.
- (ix) Differentiate between Active cell and Passive cell.

**Q.No.4 Attempt any six parts.**

**$6 \times 2 = 12$**

- (i) What is Bus Interconnection?
- (ii) Define General Purpose Register.
- (iii) Describe the role of Memory Management.
- (iv) What is Stack Pointer Register?
- (v) Define System Bus.
- (vi) Describe Computer Virus.
- (vii) What is Data Protection?
- (viii) Differentiate between Primary partition and Extended Partition.
- (ix) What is the role of Windows Explorer?

**SECTION-II**

**NOTE: - Attempt any three questions.**

**$3 \times 8 = 24$**

5. Differentiate between impact and non-impact printers.
6. Explain the working of Ring topology with diagram. Also discuss its advantages and disadvantages.
7. Define Signal. Explain the types of signal in data communication.
8. What is bus interconnections? Write the functions of control bus, data bus and address bus.
9. What is backup of data and its purpose? Also discuss different types of backup.

**Note:** You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that bubble in front of that question number. On bubble sheet, use marker or pen to fill the bubbles. Cutting or filling two or more bubbles will result in zero mark in that question. Attempt as many questions as given in objective type question paper and leave others blank. No credit will be awarded in case BUBBLES are not filled. Do not solve question on this sheet of OBJECTIVE PAPER.

Q.No.1

- (1) Transferring a file from a remote computer to a local computer is called:  
(A) Uploading      (B) Downloading      (C) Server Sharing      (D) Down Sizing
- (2) Communication between computer and keyboard involves the transmission:  
(A) Full-Duplex      (B) Half – Duplex      (C) Simplex      (D) Automatic
- (3) The device \_\_\_\_\_ uses parallel transmission.  
(A) Mouse      (B) Keyboard      (C) Light Pen      (D) Printer
- (4) The fly-by-wire system is used in:  
(A) Medical Field      (B) Airline system      (C) Education      (D) Farming
- (5) The program that contains instructions to operate a device is called:  
(A) Device Driver      (B) Device Operator      (C) Device Linking      (D) Device System
- (6) The component of CPU, which is responsible for interacting with RAM, is:  
(A) Register      (B) Hard Disk      (C) ALU      (D) Control Unit
- (7) Another name for free software is:  
(A) Encrypted software      (B) Copy protected software      (C) Public domain software      (D) Shareware
- (8) A person who gains illegal access to a computer system is:  
(A) Worm      (B) Network Controller      (C) Computer Operator      (D) Hacker
- (9) The folder, which contains administrative tools, is:  
(A) Installer      (B) Control Panel      (C) Debugger      (D) Linker
- (10) Moving up or down in word processing document is called:  
(A) Scrolling      (B) Word-wrap      (C) Line movement      (D) Pull-down
- (11) The actual working area in Microsoft Excel is:  
(A) Workbook      (B) Worksheet      (C) Database      (D) Lotus-123
- (12) The computers on internet that contain websites are called:  
(A) Central Computers      (B) Site Computers      (C) Clients      (D) Web Servers
- (13) The electronic circuit that executes computer instructions is called:  
(A) Keyboard      (B) C.P.U.      (C) Monitor      (D) Hard Disk
- (14) Soft copy refers to:  
(A) Screen output      (B) Peripheral device      (C) OCR      (D) Printed output
- (15) The top most layer of OSI Model is:  
(A) Session      (B) Transport      (C) Presentation      (D) Application

INTERMEDIATE PART-I (11<sup>TH</sup> CLASS)

COMPUTER SCIENCE PAPER-I (New Scheme)

TIME ALLOWED: 2.10

SUBJECTIVE

MAXIMUM MARKS: 60

NOTE: Write same question number and its part number on answer book, as given in the question paper as given in the question paper.

SECTION-I

Q.No. 2 Attempt any six parts.  $6 \times 2 = 12$

- (i) Define the term Information Technology.
- (ii) Give any two examples of Hardware Components.
- (iii) What is the purpose of Central Processing Unit (C.P.U.)?
- (iv) Write down any two benefits of Computer Network.
- (v) Differentiate between uploading and downloading.
- (vi) Write the function of Physical layer of OSI Model.
- (vii) Define Digital signal.
- (viii) Differentiate between Serial Transmission and Parallel Transmission.
- (ix) How does a Modem work?

Q.No. 3 Attempt any six parts.  $6 \times 2 = 12$

- (i) What is video conferencing?
- (ii) How computers can be used in Banks?
- (iii) Explain weather forecasting.
- (iv) What is the role of main memory in computer system?
- (v) Name two categories of programming languages.
- (vi) What is the concept of memory address?
- (vii) How does instruction pointer register work?
- (viii) Write two activities of control unit.
- (ix) What is the role of antivirus software?

Q.No. 4 Attempt any six parts.  $6 \times 2 = 12$

- (i) How Recycle Bin is useful in Windows?
- (ii) Write two uses of Start Button in Windows 2000.
- (iii) How many Primary and Extended Partitions can be created on basic disk?
- (iv) Define Line and Paragraph Spacing in MS-Word.
- (v) How Macro in MS-Word is helpful for us?
- (vi) List any two advantages of Spreadsheets.
- (vii) What is active cell in MS-Excel?
- (viii) Define Web Browser.
- (ix) Name two schemes used for identifying computers on networks and internet.

SECTION-II

NOTE:- Attempt any three questions of the following:-

$8 \times 3 = 24$

$2+2+2+2=8$

5. Discuss four source data entry devices which are given below:

- (i) Barcode Reader.
- (ii) MICR.
- (iii) Smart Card.
- (iv) Digital Camera.

6. Define Computer Network. Discuss different types of network models.  $2+2+2+2=8$

7. Define data communication. Explain basic components of communication system.  $2+1+1+1+1+2=8$

8. Define System Bus. Discuss different Types of System Buses.  $2+2+2+2=8$

9. Explain four causes of Computer Virus.  $2+2+2+2=8$