Roll No _____ (To be filled in by the candidate) (Academic Sessions 2020 – 2022 to 2023 – 2025)

COMPUTER SCIENCE 224-1ˢᵗ Annual-(INTER PART – I) Time Allowed : 20 Minutes

Q.PAPER – I (Objective Type) GROUP – I Maximum Marks : 15

PAPER CODE = 6831

Note : Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1	Which type of printer operates most like a photocopy machine :				
	(A) ● LASER printer	(B) Line printer	(C) Ink-jet printer	(D) Dot-matrix printer	
2	The smallest unit of information in the computer is :				
	(A) Character	(B) Word	(C) Bit ●	(D) Byte	
3	The most commonly used LAN protocol is :				
	(A) Ethernet ●	(B) Token Ring	(C) ARCnet	(D) TCP / IP	
4	In OSI model, encryption and decryption are functions of which layer :				
	(A) Application	(B) Presentation ●	(C) Transport	(D) Session	
5	The process of transferring data electronically from one place to another is called :				
	(A) Data communication ●	(B) Data processing			
	(C) Data sequencing	(D) Data sender			
6	Sound, light and radio waves are examples of which signal :				
	(A) Digital	(B) Analog ●	(C) Unique	(D) Simple	
7	CBT software is used in :				
	(A) Education ●	(B) Forecasting	(C) Manufacturing	(D) Farming	
1-8	Which component of CPU interacts with primary memory :				
	(A) Register	(B) ALU	(C) Control unit ●	(D) Bus	
9	Which register has special role in division and multiplication :				
	(A) AX	(B) BX	(C) CX	(D) DX ●	
10	Which of the following is a biometric technique for person identification :				
	(A) Access card	(B) Finger print ●	(C) Password	(D) Badge	
11	All files deleted from computer are stored in :				
	(A) Sys-tray	(B) Temporary files	(C) My document	(D) Recycle bin ●	
12	The feature of MS-Word used to change font color, size and style is called :				
	(A) Formatting ●	(B) Styles	(C) Composing	(D) Attractive	
13	If the custom format is # # # . 00 then 261 will be displayed as :				
	(A) 261	(B) 261.0	(C) 2.61	(D) 261.00 ●	
14	To calculate sum of cells A1, A2, A3, A4 the formula is :				
	(A) = (A1 + A2 + A3 + A4) ●	(B) A1 + A2 + A3 + A4			
	(C) = A1 + A4	(D) = A1 + A3			
15	The four numbers in an IP address are called :				
	(A) Octets ●	(B) Codec	(C) Octal	(D) Bytes	

No _____ (To be filled in by the candidate) (Academic Sessions 2020 – 2022 to 2023 – 2025)

COMPUTER SCIENCE   224-1ˢᵗ Annual-(INTER PART – I)   Time Allowed : 2.10 hours

PAPER – I (Essay Type)   GROUP– I   Maximum Marks : 60

SECTION – I

2. Write short answers to any SIX (6) questions :   **12**

(i) Convert 240 MB of memory in Bytes.   (ii) What is the function of application layer?

(iii) State the purpose of computer network.   (iv) How does Star Topology Work?

(v) How did information technology make our World as global village?

(vi) Compare continuous signal with discrete signal.

(vii) What happens if the backbone cable fails in Bus Topology?

(viii) Compare the De-facto standard with De-jure standard.

(ix) Write a short note on satellite communication.

3. Write short answers to any SIX (6) questions :   **12**

(i) Why SRAM is more efficient than DRAM?

(ii) How main memory access the data randomly?

(iii) List the name of four address instructions.

(iv) Define package softwares.

(v) What are the pirated softwares?

(vi) How Trojan Horse virus work?

(vii) What is the importance of data security?

(viii) What do you mean about the web browsing?

(ix) Write down two limitations of E-mail.

(2)

4. Write short answers to any SIX (6) questions :   **12**

(i) How do you make the selected text bold and italic in MS-Word?

(ii) Write short cut keys to save and print command.

(iii) List four features of MS-Word.

(iv) What are two typing modes in MS-Word?

(v) Define 3-D sheet in MS-Excel.

(vi) Write the use of function today ( ).

(vii) Write the use of symbol ? in custom format. Give an example.

(viii) What is cell reference in MS-Excel?

(ix) What is active cell?

SECTION – II

Note : Attempt any THREE questions.

5. What is impact printer? Explain its types in detail.   **8**

6. Define encoding of data. Explain its types in detail.   **2,6**

7. How computer is used in industry? Also discuss CAD and CAM.   **2,6**

8. Define computer architecture. Discuss different components of computer architecture.   **8**

9. Describe any four objects of Windows Operating System.   **8**

11th Class Computer Science Objective Paper Group 2 Lahore Board 2024

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2020 – 2022 to 2023 – 2025)

COMPUTER SCIENCE   224-1ˢᵗ Annual-(INTER PART – I)   Time Allowed : 20 Minutes
Q.PAPER – I (Objective Type)   **GROUP – II**   Maximum Marks : 15
PAPER CODE = 6836

Note : Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1	Two dissimilar networks can be connected by using :		
	(A) Bridge (B) Repeater	(C) Hub	(D) Gateway ●
2	FormatC is an example of :		
	(A) Boot Sector (B) Trojan Horse ●	(C) Chernobal	(D) Logic Bomb
3	Which one of the following cell address is correct :		
	(A) AA (B) 3B	(C) 25	(D) C5 ●
4	Which one of the following is word processor :		
	(A) MS-Word ● (B) MS-Excel	(C) MS-PowerPoint	(D) MS-Access
5	Data processing is also known as :		
	(A) Accuracy (B) Computing ●	(C) Speed	(D) Merging
6	An operating system is a :		
	(A) System utility (B) Application software		
	(C) System software ● (D) Software package		
7	The length of IP-address is :		
	(A) 8-bits (B) 16-bits	(C) 24-bits	(D) 32-bits ●

1-8	All nodes are connected to a single cable in :		
	(A) ● Bus topology (B) Ring topology	(C) Star topology	(D) Mesh topology
9	How many characters ASCII 8-bit code can represent :		
	(A) 256 ● (B) 128	(C) 64	(D) 65536
10	The name of screen clarity is :		
	(A) Pixel (B) Resolution ●	(C) Density	(D) Picture clarity
11	Brain of computer that executes instructions is called :		
	(A) Bus (B) Register	(C) CPU ●	(D) RAM
12	A workbook is a collection of :		
	(A) Tables (B) Formula	(C) Sheets ●	(D) Functions
13	Electronic banking is also known as :		
	(A) Cyber banking ● (B) Offline banking		
	(C) Interactive banking (D) Global banking		
14	Television broadcast is an example of :		
	(A) ● Simplex mode (B) Half duplex mode (C) Full duplex mode		(D) Triplex mode
15	The program that contains instructions to operate a device is called :		
	(A) Device system (B) Device operator (C) Device linking	(D) Device driver ●	

⌐ No _____ (To be filled in by the candidate) (Academic Sessions 2020 – 2022 to 2023 – 2025)

COMPUTER SCIENCE 224-1ˢᵗ Annual-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) GROUP – II Maximum Marks : 60

SECTION – I

2. **Write short answers to any SIX (6) questions :** 12

   (i) Convert 320 MB into bytes. (ii) Write the purpose of data analysis in SDLC.
   (iii) How tree topology is constructed? (iv) How does Ethernet Protocol Work?
   (v) Define DSL. Is DSL is alternative to ISDN.
   (vi) What is the purpose of presentation layer?
   (vii) List two advantages of Bus topology.
   (viii) Represent digital signal with the help of diagram.
   (ix) Write two difference between base band and broad band.

3. **Write short answers to any SIX (6) questions :** 12

   (i) Why cache memory is made using SRAM chips?
   (ii) Why I/O unit is used to control processor's communication with I/O devices?
   (iii) What are data transfer instructions?
   (iv) Define instruction register.
   (v) Describe two ways of spreading virus.
   (vi) How data security is important?
   (vii) List down two biometrics techniques.
   (viii) Why search engines are used over the internet?
   (ix) What is an IP address?

4. **Write short answers to any SIX (6) questions :** 12

   (i) What is the function of spell checkers in full featured word processor?
   (ii) How Undo and Redo commands are used in MS-Word?
   (iii) Define paragraph indentation.
   (iv) What is the use of clipboard in MS-Word?
   (v) Write the name of two states of a cell in MS-Excel?
   (vi) Write formula to find percentage when total is in A2 and obtained marks is in B6.
   (vii) Write a function to add values in cell D1, D2, D3, D4, D5, D6, D7, D8 and D9, in Excel.
   (viii) Write a function to find square root of a value in cell A10 in Excel.
   (ix) What is a chart in Excel?

SECTION – II

Note : Attempt any THREE questions.

5. Define non-impact printers. Describe different types of non-impact printers. 8
6. Explain Asynchronous and Synchronous transmission. 4,4
7. Explain, how computers can be useful in business? 8
8. What is operating system? Explain any six functions of operating system. 2,6
9. Write a note on Mouse Events and Keyboard Events. 8

130-224-II-(Essay Type)-51000

Roll No. : _____

Objective

Paper Code

6833

Intermediate Part First

Computer Science (Objective)

Time: 20 Minutes   Marks: 15

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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 the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.**

S.#	Questions	A	B	C	D
1	A collection of related web pages is called:	Web-link	Website ●	Internet	Linking
2	To calculate average of cells D2, D3, D4; the formula is:	= (D2+D4)/3	= D2+D3+D4/3	= (D2+D3+D4)/3 ●	= (D2,D3,D4)/3
3	If the custom format is # , ### then 2500 will be displayed as:	25,00	2,500 ●	2500	2,50
4	How many orientation types are available in MS-Word?	4	3	2 ●	1
5	In DOS, a user communicates with the operating system by issuing:	Instructions	Procedure	Routines	Commands ●
6	Which is the most damaging loss to a company?	Loss of hardware	Loss of data ●	Loss of software	Loss of print outs
7	A computer bus consists of:	Registers	Accumulators	Parallel lines ●	Bits
8	The memory cells are logically organized into groups of:	4 bits	8 bits ●	16 bits	32 bits
9	Many products are designed by using:	ATM	ROBOT	CAM	CAD ●
10	The signals produced by a computer to send over phone line must be converted to:	Analog ●	Digital	Low	High
11	How many characters ASCII 7-bit code can represent?	16	32	128 ●	256
12	Which is an internet protocol?	Token Ring	Ethernet	TCP / IP ●	ARCnet
13	Which network covers a large area?	WAN ●	LAN	PAN	MAN
14	The type of conversion in which both new and old systems operate together for a period of time is:	Direct	Parallel ●	Phased	Pilot
15	The output of printer is called:	Soft copy	Photocopy	Duplicate copy	Hard copy ●

1117-XI124-45000

Intermediate Part First

Roll No. _____

Computer Science (Subjective)

Time: 02:10 Hours   Marks: 60

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SECTION – I

2. **Write short answers to any SIX parts.**   12
   - (i)   What is the use of utility program?
   - (ii)   Convert 512 MB of memory in kilobytes.
   - (iii)   What is the function of transport layer?
   - (iv)   How does bus topology work?
   - (v)   Which transmission media is used in LAN?
   - (vi)   How analog signals are represented graphically?
   - (vii)   What happens if a bus topology has too many computers?
   - (viii) Can intra-net and extra-net use the inter-net for transmission?
   - (ix)   How does a modem work?

3. **Write short answers to any SIX parts.**   12
   - (i)   Why RAM is called volatile memory?
   - (ii)   Write the usage of Ax and Bx registers.
   - (iii)   What is the reason to use one address instruction format?
   - (iv)   What do you know about customized software?
   - (v)   List any four names of computer viruses.
   - (vi)   Define antivirus program. Give any two examples.
   - (vii)   What do you mean about data security?
   - (viii) How DNS is better than IP addressing? Give one reason.
   - (ix)   Write four names of search engines.

4. **Write short answers to any SIX parts.**   12
   - (i)   What is font specification?
   - (ii)   Write the purpose of header and footer in MS-Word.
   - (iii)   Define World Art in word processor.
   - (iv)   What are two typing modes in MS-Word?
   - (v)   Write function which finds lowest number from cells D1 through D100.
   - (vi)   Write formula to calculate the sum of three numbers.
   - (vii)   Write the use of symbol # in custom format. Give an example.
   - (viii) Define page orientation in MS-Excel.
   - (ix)   Define chart.

SECTION – II   Attempt any THREE questions. Each question carries 08 marks.

5. Differentiate between system software and application software.

6. What is guided media? Briefly describe three different types of guided media.   02,02,02,02

7. How computer based training is different from computer aided learning? Write six benefits of computer based training.   02,06

8. What is ROM? Explain its types.

9. Differentiate between command line interface and graphical user interface operating system.

1117-XI124-45000

Roll No. of Candidate : _____

COMPUTER SCIENCE   Intermediate Part-I , Class 11th (1stA 324- II)   Group – I   Paper – I

Time: 20 Minutes   OBJECTIVE   Code : 6833   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 circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. 1 - The idea of storing of program in memory was given by

   (A) Charles Babbage   (B) Liebnitz   (C) Pascal   (D) John Van Neumann ●

2 - The temporary storage area within CPU is called

   (A) Registers ●   (B) RAM   (C) ROM   (D) Disk

3 - A secret word or numbers to be typed on a keyboard before any activity can take place are called

   (A) Data Encryption   (B) Password ●   (C) Biometric data   (D) private data

4 - The devices that are automatically detected by Windows Operating System are called

   (A) serial devices   (B) parallel devices

   (C) automatic devices   (D) plug and play devices ●

5 - Which of the following is Word Processor?

   (A) Adobe Acrobat   (B) Photo Express   (C) MS Word ●   (D) MS Excel

6 - If you want to display the sum of five cells (A1 to A5), the function is

   (A) = sum(A1:A5) ●   (B) = sum(A1 to A5)   (C) = sum(A1,A5)   (D) = sum(A1+A5)

7 - If the custom format is ##,### then 51243 will be displayed as

   (A) 5,1243   (B) 51,243 ●   (C) 512,43   (D) 5124,3

8 - Which of the following protocol is used to access Internet?

   (A) Ethernet   (B) ARCnet   (C) FTP   (D) TCP/IP ●

9 - Which device is used to read the vertical lines from the product in a Super Store?

   (A) OMR (Optical Mark Recognition)   (B) OCR (Optical Character Recognition)

   (C) Bar – Code Reader ●   (D) MiCR (Magnetic ink Character Recognition)

10 - An input device, which is used for playing computer games

   (A) light pen   (B) joy stick ●   (C) mouse   (D) scanner

11 - In which topology nodes are connected to a single cable

   (A) Bus Topology ●   (B) Ring Topology   (C) Star Topology   (D) Mesh Topology

12 - The unique address of every web page on www is called

   (A) Web Address   (B) IP Address   (C) URL ●   (D) Website Address

13 - The process of transferring data electronically from one place to another is called

   (A) Data processing   (B) Data Communication ●

   (C) Data Synchronization   (D) Data Sequencing

14 - How many characters ASCII 7–Bit code represents?

   (A) 128 ●   (B) 256   (C) 512   (D) 1024

15 - SUPARCO department gives information about

   (A) robot   (B) airline   (C) weather ●   (D) train

221-(II)-1stA 324-25500

COMPUTER SCIENCE   Intermediate Part-I , Class 11th (1stA 324)   **Group – I**   **Paper – I**

Time: 2:10 Hours   **SUBJECTIVE**   **Marks: 60**

Note: Section-I is compulsory. Attempt any THREE (3) questions from Section-II.

SECTION – I

2 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Give two applications of OMR.

ii - Convert 240 MB of memory into bytes and kilobytes.

iii - Write down two benefits of E-mail.

iv - Briefly define ARPANET.

v - Define the function of Network Interface Card (NIC)

vi - What is Metropolitan Area Network?

vii - State two services of Application Layer.

viii - How data is represented in computers?

ix - What is Broadband?

3 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Distinguish between CX and DX registers.

ii - What is the use of MAR register?

iii - Why RAM is called Volatile Memory?

iv - Elaborate the concept of memory buffer register.

v - How does boot sector virus work?

vi - Define the term Backup.

vii - Define Antivirus software.

viii - Elaborate the purpose of search engine.

ix - How web pages are created?

4 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Write down two typing modes in MS-Word.

ii - Why we use Margins of document in MS-Word?

iii - Describe Undo and Redo commands of MS-Word?

iv - What is Thesaurus in MS-Word?

v - Change the relative reference C1 into absolute reference.

vi - Write Excel function to add values in Cells B5 to B15.

vii - What do you mean by function in MS-Excel?

viii - What is cell in MS-Excel?

ix - Write the concept of 3D-worksheets of MS-Excel.

SECTION – II

5 - Define display screen. Explain its types.   **(8)**

6 - Explain serial and parallel transmission. Also discuss two types of serial transmission.   **(8)**

7 - Explain any four uses of computer in medical field.   **(8)**

8 - Define Bus interconnection. Explain different types of system buses.   **(8)**

9 - Discuss any four (04) objects of Windows Operating System.   **(8)**

221-1stA 324-25500

Roll No. of Candidate : _____

COMPUTER SCIENCE   Intermediate Part-I , Class 11ᵗʰ (1ˢᵗA 324- IV)   Group – II   Paper – I

Time: 20 Minutes   **OBJECTIVE**   Code : 6838   **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 circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

1. 1 - Formula can only be applied on

    (A) values 🔴   (B) labels   (C) unmerged cells   (D) blank cells

   2 - Which is the physical path over which a message travels

    (A) protocol   (B) signal   (C) medium 🔴   (D) encoder

   3 - Arial font is an example of

    (A) Serif   (B) Sans – Serif 🔴   (C) Italic   (D) Times New Roman

   4 - Which of the following is an absolute address

    (A) A1   (B) A1$ (C) A1 🔴   (D) #,A1

   5 - The most commonly used device as main memory

    (A) SRAM   (B) DRAM 🔴   (C) Cache   (D) MRAM

   6 - The common name used for input and output devices is

    (A) QWERTY   (B) Mechanical devices   (C) peripheral 🔴   (D) Electrical devices

   7 - Which type of virus is activated on specific date and time?

    (A) Boot Sector   (B) Logic bomb 🔴   (C) Chernobal   (D) Trojan Horse

   8 - Which of the following maintain a print queue for all printing jobs?

    (A) Windows Operating System 🔴   (B) printer
    (C) print jobs   (D) package software

   9 - Another name for RAM is

    (A) Main memory 🔴   (B) ROM   (C) BIOS   (D) Non-volatile memory

   10 - One Giga Byte is equal to

    (A) 2^{10} bytes   (B) 2^{15} bytes   (C) 2^{20} bytes   (D) 2^{30} bytes 🔴

   11 - How many characters are represented by ASCII – 8 code?

    (A) 128   (B) 256 🔴   (C) 286   (D) 312

   12 - Which domain is used for non-profitable organizations?

    (A) .com   (B) .edu   (C) .gov   (D) .org 🔴

   13 - The media access control sub layer resides in which layer?

    (A) Physical   (B) Data link 🔴   (C) Network   (D) Transport

   14 - An automatic programmable machine used in industry is called

    (A) CAD   (B) CAM   (C) CAT   (D) ROBOT 🔴

   15 - FDDI is used in which topology?

    (A) Ring 🔴   (B) Star   (C) Mesh   (D) Bus

222-(IV)-1ˢᵗA 324-25500

COMPUTER SCIENCE   Intermediate Part-I, Class 11th (1stA 324)   Group – II   Paper – I

Time: 2:10 Hours   SUBJECTIVE   Marks: 60

Note: Section-I is compulsory. Attempt any **THREE (3)** questions from Section-II.

SECTION – I

2 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Define SDLC.

ii - Convert 240 MB of memory into Kilobytes.

iii - Write down any two benefits of E-mail.

iv - Define TCP/IP.

v - What is Peer–to–Peer Network model?

vi - State the function of Physical Layer.

vii - Distinguish between De Facto Standard and De Jure Standard.

viii - Which type of signals are commonly called baseband?

ix - What is transmission rate of modem?

3 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Define PC register.

ii - Define Cache Memory.

iii - What is the importance of instruction set?

iv - What do you mean by stored program computer?

v - Write down four causes of computer viruses.

vi - Define the term Biometric.

vii - What is data security?

viii - Write down any four limitations of e-mail.

ix - Define search engine. Write down at least two examples.

4 - Write short answers to any SIX questions.   **(2 x 6 = 12)**

i - Write down the use of clipboard.

ii - Write down the use of Macros in MS-Word.

iii - Write down two uses of Word Processor.

iv - Define page margins and page size in MS-Word processor.

v - Write down the formula for calculating average of three numbers.

vi - Write down an example of MAX( ) function within cell address in MS-Excel.

vii - What is Relative Reference?

viii - Define 3-D sheet in MS-Excel.

ix - What is Active cell?

SECTION – II

5 - What is Software? Write down different types of software.   (8)

6 - What is un-guided media? Briefly describe different un-guided media.   (8)

7 - What is meant by an Office Automation? Explain various tasks to be performed in an Office.   (8)

8 - What is ROM? Write down its different types.   (8)

9 - What is the purpose of mouse and keyboard? Write down important events of mouse and keyboard.   (8)

222-1stA 324-25500

Paper Code Number: 2833	2024 (1ˢᵗ-A) INTERMEDIATE PART-I (11ᵗʰ Class)	Roll No: _____
COMPUTER SCIENCE PAPER-I GROUP-I		pakcity.org
TIME ALLOWED: 20 Minutes	OBJECTIVE	MAXIMUM MARKS: 15

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 ●	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 ●
3	The cell range C3 through H3 should be typed as:	C3 – H3	C3 : H3 ●	C3 … H3	C3 to H3
4	If the custom format is ###.00, then 58 will be displayed as:	58.00 ●	5.80	5.08	0.58
5	Additional files enclosed with email is called:	Protocol	Attachment ●	File	Document
6	Multiple choice examination answer sheet can be evaluated automatically using:	MICR	OCR	OMR ●	Magnetic Strip
7	The device driver is a type of:	System software ●	Utility program	Application software	Packaged software
8	The topology used by Ethernet protocol is:	Star	bus ●	Mesh	Ring
9	The term "De-jure" refers to the standards:	by fact	by nature	by law ●	by tradition
10	The height of wave within a given period of time is called:	Phase	Frequency	Pulse	Amplitude ●
11	The internal transfer of binary data in a computer uses:	Parallel mode ●	Serial mode	Sequential	Direct mode
12	A scanner that passes the rays over the body of patient is:	OMR	OCR	CAT ●	MICR
13	The technology that is used to build cache is:	DRAM	SRAM ●	PROM	EPROM
14	The register which holds the fetched instruction is:	MAR	PC	MBR ●	IR
15	Trojan horse is a type of:	Driver	Antivirus	Virus ●	Horse

35(Obj)(☆☆)-2024(1ˢᵗ-A)-33000 **(MULTAN)**

2024 (1ˢᵗ-A) INTERMEDIATE PART-I (11ᵗʰ 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 × 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 × 2 = 12**

(i)	What is Interrupt? How is its 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 × 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 that 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 × 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

35-2024(1ˢᵗ-A)-33000　**(MULTAN)**

Paper Code Number: **2836**	**2024 (1ˢᵗ-A)** **INTERMEDIATE PART-I (11ᵗʰ Class)**	**Roll No:** _____

COMPUTER SCIENCE   PAPER-I   GROUP-II

TIME ALLOWED: 20 Minutes	**OBJECTIVE**	**MAXIMUM MARKS: 15**

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

105(Obj)(☆☆☆)-2024(1ˢᵗ-A)-23000   **(MULTAN)**

COMPUTER SCIENCE   PAPER-I   GROUP-II

TIME ALLOWED: 2.10 Hours	SUBJECTIVE	MAXIMUM MARKS: 60

SECTION-I

2.	Write short answers to any six parts.	6 × 2 = 12
(i)	How odes 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 × 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 × 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 × 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

105-2024(1ˢᵗ-A)-23000   (MULTAN)

Computer Science   D   L.K.No. 1535   Paper Code No. 6867
Paper I   (Objective Type)   Inter (Ist - A - Exam - 2024)
Time Allowed : 20 Minutes   Inter (Part - I)
Maximum Marks : 15   Session (2022 - 2024) & (2023 - 2025)

11th Class Computer Science Objective Paper Bahawalpur Board 2024

Note : Four choices A , B , C , D to each question are given. Which choice is correct , fill that circle in front of that Question Number on the Objective Bubble Sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.No.1

(1) Software that is designed to be used by general public for their business tasks is called :
(A) Operating System   (B) Device Driver   (C) Utility Programs   **(D) Packaged Software**

(2) The Protocol used by every Computer on the internet is :
(A) CSMA / CD   (B) DSL   (C) ISDN   **(D) TCP / IP**

(3) A Computer is connected to a LAN using :   **(A) NIC**   (B) Modem   (C) Bridge   (D) Router

(4) Image displayed on a Monitor Screen is composed of :
(A) Pixels   (B) DPI   (C) Resolution   (D) Digital Points

(5) Concurrent Flow of bits is done in :
(A) Serial Transmission   **(B) Parallel Transmission**
(C) Synchronous Transmission   (D) Asynchronous Transmission

(6) The ROM is also called :
(A) Direct Access Memory   (B) Read / Write Memory
(C) Non-Volatile Memory   (D) Main Memory

(7) Product promotion , place and price relates to :
(A) Marketing   (B) Management   (C) Office Automation   (D) E - Commerce

(8) The 7-bit-ASCII Code can represent :
(A) 64 Characters   **(B) 128 Characters**   (C) 256 Characters   (D) 65,536 Characters

(9) The register used for Division and Multiplication is :   (A) PC   (B) MBR   **(C) DX**   (D) DS

(10) For adding text in the top margin of every page in MS-Word we use :
(A) Header   (B) Footer   (C) Heading   (D) Title

(11) Add New Hardware option exists in :
(A) My Computer   (B) Window Explorer   **(C) Control Panel**   (D) Start Button

(12) Illegal copy of a Software is called :   **(A) Software Piracy**   (B) Pirated Software   (C) Virus   (D) Antivirus

(13) For the Custom Format # , ### , the number 1500 will be displayed as :
(A) 1,500   (B) 1500   (C) 0 , 015   (D) 0015

(14) The number of arguments in SQRT ( ) function in MS Excel are :   **(A) 1**   (B) 2   (C) 3   (D) 4

(15) Every webpage on the World Wide Web is accessed using :
(A) IP Address   (B) Domain Name   (C) Hyperlink   **(D) URL**

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11th Class Computer Science Subjective Paper Group 1 Bahawalpur Board 2024

Note : It is compulsory to answer any (6 - 6) parts each from Q.No.2 , Q.No.3 and Q.No.4 while attempt any (03) Questions from Part II. Write same Question Number and its Part Number as given in the Question Paper.

Make Diagram where necessary.	**Part - I**	18 x 2 = 36

Q.No.2 (i) Enlist any two differences between Mouse and Trackball.

(ii) Convert 128 Bytes of memory into Bits.

(iii) How would you elaborate Workgroup Computing?

(iv) What is FTP?

(v) Write down the use of Network-Interface-Card.

(vi) How do devices communicate in bus Topology?

(vii) State the functions of Network Layer.

(viii) How would you define Baseband?

(ix) What is an External Modem?

Q.No.3 (i) Why RAM is called Volatile Memory?

(ii) How does Cache Memory works ?

(iii) Differentiate between CX and DX Register.

(iv) How does Fetch-Decode-Execute cycle of CPU work?

(v) Give four Biometric methods to prove your identity to log on a system.

(vi) What is Boot Sector Virus?

(vii) What do you mean by Security Violations?

(viii) What is meant by IP Addressing?

(ix) Write name of four Search Engine.

Q.No.4 (i) Define Page Margin and Page Size in Word Processor.

(ii) What is Formatting in MS-Word?

(iii) Define Word Art in MS-Word.

(iv) Why " Thesaurus " are used in Word Processing?

(v) What do you mean by 3D- Worksheet?

(vi) What is Absolute reference in a Worksheet?

(vii) What is the most powerful feature of Spread Sheet?

(viii) What is the purpose of Formula Bar in MS-Excel?

(ix) Write a function to find Square Root of the number in the Cell A10.

Part - II	3 x 8 = 24

Q.No.5 What is Software? Describe different categories / types of Software. (8)

Q.No.6 What is meant by Encoding Scheme? Explain different types of Encoding Schemes (8)

Q.No.7 Explain four services of E - Commerce. (8)

Q.No.8 What is ROM? Discuss its different types in detail. (8)

Q.No.9 What is meant by an Event ? Explain different types of Mouse and Keyboard Events. (8)

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⭐⭐⭐ Roll No _____

HSSC-(P-I)-A/2024
(For All Sessions)
🙵 pakcity.org 🙵

Paper Code | 6 | 8 | 3 | 5

Time: 20 Minutes   Marks : 15

Computer Science (Objective)

Note: Write Answers to the Questions on the objective answer sheet provided. Four possible answers A, B, C and D to each question are given. Which answer you consider correct, fill the corresponding circle A, B, C or D given in front of each question with Marker or Pen ink on the answer sheet provided.

1.1   The register that is used for arithmetic and data operation is:
(A) ● AX   (B) BX   (C) CX   (D) DX

2.   The program that contains instructions to operate a device is called:
(A) ● Device driver   (B) Device operator   (C) Device linking   (D) Device system

3.   Which virus executes when starting the computer?
(A) Logic bomb   (B) ● Boot sector   (C) Redlof   (D) Trojan horse

4.   Windows operating system was developed by:
(A) Sun system   (B) HP   (C) ● Microsoft   (D) IBM

5.   Which of the following is a Word Processor?
(A) MS-Excel   (B) MS-Power Point   (C) MS-Outlook   (D) ● MS-Word

6.   If the custom format is #, # # # then 1500 will be displayed as:
(A) 15,00   (B) ● 1,500   (C) 15,000   (D) 150,0

7.   Which of the following is a correct formula?
(A) $= A1\ and\ A4$ (B) $+A1\ and\ A4$ (C) ● $= A1 + A4$ (D) $A1 + A4$

8.   The length of IP address is:
(A) 64 bit   (B) 32 bit ●   (C) 16 bit   (D) 8 bit

9.   Smallest unit of memory is:
(A) Byte   (B) ● Bit   (C) Character   (D) Word

10.   Which technology is used to read data on cheques?
(A) OMR   (B) OCR   (C) CAT   (D) ● MICR

11.   Total number of layers in OSI model is:
(A) 6   (B) ● 7   (C) 8   (D) 9

12.   A connection for similar network uses:
(A) NIC   (B) ● Bridge   (C) Gateway   (D) Router

13.   Collection of 8 bits is called:
(A) Bit   (B) ● Byte   (C) KB   (D) Nibble

14.   How many characters ASCII 7 bit code represents?
(A) ● 128   (B) 256   (C) 512   (D) 1024

15.   CBT software is used in:
(A) Business   (B) Industry   (C) ● Education   (D) E-banking

841-11-A

Roll No _____

HSSC-(P-I)-A/2024
(For All Sessions)

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Marks : 60

Time: 2:10 hours

Computer Science (Subjective)

SECTION-I

2. Write short answers of any six parts from the following: (6x2=12)

i. Convert 230 MB into bits.

ii. What is physical design in SDLC?

iii. Write down two advantages of collaborative computing.

iv. How frequency of analog signals is calculated / measured?

v. How data is transmitted in bus topology?

vi. You are a field worker & you have to use the internet on the go; which modem will you use and why?

vii. Why gateway is used?

viii. What is TCP / IP?

ix. How a star network is constructed?

3. Write short answers of any six parts from the following: (6x2=12)

i. Write an important responsibility of I/O unit.

ii. What is the purpose of MAR(Memory Address Register)?

iii. State the purpose of data transfer instructions.

iv. Enlist two parts of instruction format.

v. How does virus spread through email?

vi. What do you mean by data protection?

vii. Which type of damage is caused by Chernobal virus?

viii. What is domain name system?

ix. Write any two limitations on email.

4. Write short answers of any six parts from the following: (6x2=12)

i. What do you mean by word wrap?

ii. What is WYSIWYG?

iii. Differentiate between line spacing and paragraph spacing.

iv. What three options are included in page formatting?

v. Write the formula for calculating the average of cells A5 , B5 and C5.

vi. What is the difference between relative and absolute cell reference?

vii. Write a function that returns the square root of cell B5.

viii. What are function arguments?

ix. Write the formula to subtract the value of Cell "B5" of worksheet "sheet 5" with the cell "C7" of current worksheet.

SECTION-II

Note: Answers any three questions from the following: (8x3=24)

5. What is impact printer? Discuss different types of impact printer. (2+2+2+2=8)

6. What is data transmission mode? Explain its types with example. (4+4=8)

7. Briefly explain the use of computer in education field. (8)

8. What is ROM? Explain its three types. (2+2+2+2=8)

9. Write any four features of Windows 2000 operating system. (2+2+2+2=8)

842-11-A-

1124   Warning:- Please write your Roll No. in the space provided and sign. Roll No------------
        (Inter Part – I)   (Session 2020-22 to 2023-25)   Sig. of Student   ------------------

Computer Science   (Objective)   Paper (I)

Time Allowed:- 20 minutes   **PAPER CODE 2833**   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 circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write **PAPER CODE, which is printed on this question paper**, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

Q. 1

1) A formula in Excel always begins with
   (A) >   (B) = ●   (C) = =   (D) <

2) Which Software is used to search and view web pages?
   (A) HTML   (B) Web Server   (C) Web browser ●   (D) Window explorer

3) Hardware is best described as
   (A) Physical parts ●   (B) Printed Copy file   (C) Logical parts   (D) Program

4) Which of the following is a non-impact printer?
   (A) Line printer   (B) Inkjet printer ●   (C) Dot-matrix printer   (D) Daisy Wheel printer

5) A computer network must contain atleast _____ number of computers.
   (A) Two ●   (B) Twenty   (C) A few   (D) Hundred

6) Defacto means
   (A) By nature   (B) By fact ●   (C) By law   (D) By luck

7) Which of the following coding Schemes uses 4-bit Code?
   (A) ASCII   (B) EBCDIC   (C) BCD ●   (D) Unicode

8) The process of converting analog to digital Signal is known as
   (A) Demodulation ●   (B) Modulation   (C) Data Sequence   (D) Merging

9) Which technology is used to read data on cheques?
   (A) OMR   (B) MICR ●   (C) OCR   (D) CAT

10) Which component of CPU is used to compare data?
    (A) ALU ●   (B) Control Unit (C) Memory   (D) Register

11) Which of the following memory needs to be refreshed?
    (A) SRAM   (B) DRAM ●   (C) ROM   (D) FRAM

12) The Secret Word or number used for protection is called
    (A) Biometric data   (B) Private Words   (C) Passwords ●   (D) Backup

13) Which of the following is not a graphical user interface?
    (A) DOS ●   (B) Linux   (C) Windows   (D) Mac OS

14) The _____ command is used to reverse the last Undo
    (A) WYSIWYG   (B) Redo ●   (C) Insert mode   (D) Macro

15) Which of the following is correct column address?
    (A) AA   (B) 25   (C) 3B   (D) C5 ●

1137-- 1124 -- 20000 (2)

1124 (Inter Part - I) Warning:- Please, do not write anything on this question paper except your Roll No.

Computer Science (Subjective) (Session 2020-22 to 2023-25) Paper (I) **pakcity.org**

Time Allowed: 2.10 hours   Section ---------------- I   Maximum Marks: 60

2. **Answer briefly any Six parts from the followings:-** 6 × 2 = 12

(i) How does Pilot conversion work?   (ii) Convert 64 bytes into bits.

(iii) Which software provide facility for workgroup computing?

(iv) How telnet is useful?   (v) In which situation gateway is used?

(vi) Why terminators are used in bus topology? (vii) How computers are connected in LAN?

(viii) How does baseband technique work?   (ix) Why modem do modulation and demodulation?

3. **Answer briefly any Six parts from the followings:-** 6 × 2 = 12

(i) Write the purpose of Registers.   (ii) What is the use of instruction set?

(iii) Why is SRAM more efficient than DRAM?   (iv) Identify the role of cache memory in computer.

(v) How does Boot Sector virus work?   (vi) Write the use of Antivirus software.

(vii) Why data protection is important?   (viii) Write down two uses of internet.

(ix) What is the role of ISPs in Internet?

4. **Answer briefly any Six parts from the followings:-** 6 × 2 = 12

(i) What do you know about font specifications? (ii) What is paragraph formatting?

(iii) Define the clipboard in MS-Word.   (iv) Briefly define the Word Art feature of MS-Word.

(v) Write one difference between Labels and values in worksheet.

(vi) Define relative refrencing with an example in worksheet.

(vii) Write down the functions which calculate sum and average from cell range E2 to E7 .

(viii) Write the procedure to add header and footer to the page in MS-Excel.

(ix) Create a Pie chart for the marks obtained by your class fellows in SSC examination.

Section ------------- II

(8 × 3 = 24)

Note: Attempt any three questions.

5. What is display screen? Explain its two types.

6. Define Modes of data communication, Discuss its three types with examples.

7. Explain use of computer in education.

8. What is computer bus? Discuss different types of computer buses.

9. Discuss any four objects of Windows operating system in detail.

1138 -- 1124 -- 20000

PAPER CODE – 6837

11ᵗʰ CLASS – 1ˢᵗ Annual 2024

COMPUTER SCIENCE

TIME: 20 MINUTES
MARKS: 15

OBJECTIVE pakcity.org

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 circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question.

QUESTION NO. 1

1	The cell range A5 through G5 should be typed as
	(A) A5 : G5 (B) A5 … G5 (C) A5 – G5 (D) A5 to G5
2	If the custom format is # # #. 00 then 1.2 will be displayed as
	(A) 12.0 (B) 120.0 (C) 1.02 (D) 1.20
3	A domain name is the text version of
	(A) Hyperlink (B) IP address (C) Hypertext (D) HTML
4	An inkjet printer is an example of a (n)
	(A) Laser printer (B) Non-impact printer (C) Thermal printer (D) Impact printer
5	Unit testing is also called
	(A) System Testing (B) Report Testing (C) Blackbox Testing (D) Modular Testing
6	The term " De Facto " refers to the standards
	(A) By facts (B) By law (C) By study (D) By regulation
7	Which OSI layer is responsible for encryption and decryption ?
	(A) Transport layer (B) Session layer (C) Presentation layer (D) Physical layer
8	Transmission that uses a clock to control the timing of bits being sent is
	(A) Synchronous (B) Asynchronous (C) Parallel (D) Serial
9	The process of converting analog to digital signal is known as
	(A) Modulation (B) Sequencing (C) Processing (D) Demodulation
10	The fly-by-wire system is used in
	(A) Medical field (B) Education field (C) Airline system (D) Weather system
11	A blank ROM that can be programmed only once is
	(A) EPROM (B) PROM (C) EEPROM (D) ROM
12	The output of the compiler is called
	(A) Linked code (B) Program (C) Source code (D) Object code
13	Making illegal copies of copyrighted software is called
	(A) Piracy (B) Hacking (C) Distribution (D) Infected
14	A list of documents waiting to be printed on printer is called
	(A) Print stack (B) Print list (C) Print queue (D) Print line
15	Clipboard in words , stores
	(A) Deleted Text (B) Copied Text (C) Repeated Text (D) Entered Text

COMPUTER SCIENCE DG Khan Board-2024 **TIME : 2.10 HOURS**
MARKS : 60

SUBJECTIVE
SECTION-I

QUESTION NO. 2 Write short answers to any Six (6) of the following 12

i	Differentiate between Softcopy and Hardcopy output
ii	Convert 256 GB of memory into bytes
iii	How does Tree topology differ from Mesh topology ?
iv	Differentiate between Intranet and Extranet
v	Write two functions of Presentation Layer
vi	What do you know about Client/Server network model ?
vii	What is meant by FTP ?
viii	What do you know about Baseband ?
ix	How is an analog signal represented graphically ?

QUESTION NO. 3 Write short answers to any Six (6) of the following 12

i	Describe the use of Memory Address Register (MAR)
ii	What is DMA ?
iii	Why RAM is called Read/Write memory ?
iv	How cache memory increase the performance of computer ?
v	Which type of damage is caused by Chernobal Virus ?
vi	Write any two ways in which security of data may be violated ?
vii	What is boot Sector Virus ?
viii	What is an IP address ? Why it is used ?
ix	Define search engine

QUESTION NO. 4 Write short answers to any Six (6) of the following 12

i	What is formatting in MS-Word ?
ii	What do you know about word processor ?
iii	What is the use of clipboard in MS-Word ?
iv	How a picture is inserted in word document ?
v	Write a formula to calculate the average of cells D3 and D4 in Excel
vi	Write a function that returns the minimum number from cells B2 to B10
vii	Write a formula to add cell A1 of sheet 1 and cell A2 of sheet 2 in Excel
viii	Differentiate between worksheet and workbook
ix	Define formula in Excel

SECTION-II pakcity.org

Note: Attempt any Three questions from this section 8 x 3 = 24

Q.5	What is impact printer ? Discuss three different types of impact printers	2+2+2+2
Q.6	What is data communication ? Discuss different modes of data communication	2+6
Q.7	What is E-commerce ? Discuss any three services of E-commerce used most frequently in E-business	8
Q.8	What is ROM ? Explain different types of ROM	8
Q.9	Discuss different Mouse and Keyboard events	2+2+2+1+1

Roll No. 　　　　　　　(To be filled in by the candidate)

Computer Science 　　H.S.S.C (11th)1st-Annual-2024 　Time: 20 Minutes

Paper: I 　　　　　Objective - (i) 　　　Marks: 15

Paper Code | 6 | 8 | 3 | 3 |

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 circle in front of that question number in you answer book. Use marker or pen to fill the circles. Cutting or filling up two or more circles will result no mark.

(SECTION – A)

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Q.NO.1

Sr.	Questions	(A)	(B)	(C)	(D)
1	Which of the given devices uses parallel transmission?	Mouse	Keyboard	Touchpad	**● Printer**
2	How many characters can unicode represent?	32	128	256	**● 65536**
3	The process of performing automatic office tasks using computer is called:	**● Office automation**	Office support	Data management	Reprographics
4	Which register is used for arithmetic and data operations?	**● AX**	BX	CX	DX
5	Which of the given memory needs to be refreshed?	SRAM	**● DRAM**	MRAM	ROM
6	Which mode does replace the existing text in MS-Word?	**● Overtype**	Replace	Insert mode	Change
7	A list of documents waiting to be printed on printer is called:	Print list	**● Print queue**	Print line	Print stack
8	Which of the given is an antivirus program?	Trojan horse	Logic bomb	Redlof	**● MCAfee**
9	Web pages are written in which type of language?	SQL	Assembly	C++	**● HTML**
10	To calculate square root of cell D5, the function is:	**● =sqrt (D5)**	=sqrt (D5)	=sqr (D5	=sqrt (D5,D6)
11	If the custom format is 00000 then 321 is displayed as:	321	0321	03210	**● 00321**
12	Mobile SIM card and ATM card are example of:	Strip card	**● Smart card**	OMR card	Video card
13	Which of the given keys is used to cancel an operation?	Pause	Del	Enter	**● Esc**
14	Which of the given is a communication device?	UTP	USB	**● Router**	CD
15	Route determination can be identified by which layer?	Presentation	Application	**● Network**	Transport

Roll No. ☐☐☐☐☐☐ (To be filled in by the candidate

Computer Science H.S.S.C (11th)1st-A-2024 Time: 2:10 Hour

Paper: I **Subjective** Marks: 60

Note: Section B is compulsory. Attempt any three Questions from section C.

SECTION - B

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Q2. Write short answers to any SIX parts.

(i) Write down two advantages of LCD over monitor.

(ii) Convert 160 MB to memory into Kilo Bytes.

(iii) What is the function of presentation layer?

(iv) How are computers in a network connected?

(v) Which layer of OSI model is an interface between user and network?

(vi) Why does a collision occur in Bus topology?

(vii) How does bridge improve network performance?

(viii) Differentiate between Serial Transmission and Parallel Transmission.

(ix) Represent an analog signal with the help of diagram.

Q3. Write short answers to any SIX parts.

(i) Write down the function of cache memory.

(ii) Define Interrupt.

(iii) Why Zero Address Instruction format is given to the computer?

(iv) Write down two benefits of GUI.

(v) How does virus spread from one computer to another? Write down a cause.

(vi) What is Trojan Horse?

(vii) Define backup of data.

(viii) Define DNS addressing.

(ix) What is browser?

Q4. Write short answers to any SIX parts.

(i) Distinguish between cut and copy commands.

(ii) Write down the use of macros in MS-Word.

(iii) Write down two uses of MS-Word.

(iv) Define text editor.

(v) Write down function which returns highest number from cell D1 through D50.

(vi) Distinguish between function and formula in MS-Excel.

(vii) What is the use of wrap text in MS-Excel?

(viii) What is Absolute Referencing?

(ix) What is Passive Cell?

SECTION - C

Attempt any THREE questions. Each question carries Eight (8) marks. (3 × 8 = 2

Q5. Describe flat Panel Display and CRT Display Screen.

Q6. What is data communication mode? Explain three communication modes.

Q7. Discuss uses of computers in business (any four).

Q8. What is a computer bus? Discuss different types of system buses

Q9. Explain different features of windows operating system.