

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) <input checked="" type="radio"/> 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 <input checked="" type="radio"/> (D) Byte			
3	The most commonly used LAN protocol is : (A) Ethernet <input checked="" type="radio"/> (B) Token Ring (C) ARCnet (D) TCP / IP			
4	In OSI model, encryption and decryption are functions of which layer : (A) Application (B) Presentation <input checked="" type="radio"/> (C) Transport (D) Session			
5	The process of transferring data electronically from one place to another is called : (A) Data communication <input checked="" type="radio"/> (B) Data processing (C) Data sequencing (D) Data sender			
6	Sound, light and radio waves are examples of which signal : (A) Digital (B) Analog <input checked="" type="radio"/> (C) Unique (D) Simple			
7	CBT software is used in : (A) Education <input checked="" type="radio"/> (B) Forecasting (C) Manufacturing (D) Farming			
1-8	Which component of CPU interacts with primary memory : (A) Register (B) ALU (C) Control unit <input checked="" type="radio"/> (D) Bus			
9	Which register has special role in division and multiplication : (A) AX (B) BX (C) CX (D) DX <input checked="" type="radio"/>			
10	Which of the following is a biometric technique for person identification : (A) Access card (B) Finger print <input checked="" type="radio"/> (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 <input checked="" type="radio"/>			
12	The feature of MS-Word used to change font color, size and style is called : (A) Formatting <input checked="" type="radio"/> (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 <input checked="" type="radio"/>			
14	To calculate sum of cells A1, A2, A3, A4 the formula is : (A) = (A1 + A2 + A3 + A4) <input checked="" type="radio"/> (B) A1 + A2 + A3 + A4 (C) = A1 + A4 (D) = A1 + A3			
15	The four numbers in an IP address are called : (A) Octets <input checked="" type="radio"/> (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.

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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.
- 6. Define encoding of data. Explain its types in detail.
- 7. How computer is used in industry? Also discuss CAD and CAM.
- 8. Define computer architecture. Discuss different components of computer architecture.
- 9. Describe any four objects of Windows Operating System.

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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 ●

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

Lahore Board-2023

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2019 – 2021 to 2022 – 2024)

COMPUTER SCIENCE 223-1st Annual-(INTER PART – I) Time Allowed : 20 Minutes

Q.PAPER – I (Objective Type) **PAPER CODE = 6831** Maximum Marks : 15

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	Pixel stands for :			
	(A) Place edit	(B) Picture enter	(C) Page edit	(D) Picture element
2	Which of the following is largest unit of data :			
	(A) Giga Byte	(B) Kilo Byte	(C) Tera Byte	(D) Mega Byte
3	Two dissimilar networks can be connected by using :			
	(A) Gateway	(B) Bridge	(C) Terminator	(D) System Bus
4	Which of the following OSI layer is responsible for data encryption and decryption :			
	(A) Transport	(B) Session	(C) Application	(D) Presentation
5	The electromagnetic or light waves representing data are called :			
	(A) Mode	(B) Signal	(C) Information	(D) Coding
6	Transmission that is used without timing signal :			
	(A) Synchronous	(B) Isochronous	(C) Asynchronous	(D) Parallel
7	Many products are manufactured by using :			
	(A) CAM	(B) CAD	(C) ATM	(D) CAL
8	Which component is used to connect different parts of computer together :			
	(A) RAM	(B) ROM	(C) C.U	(D) Bus Interconnection
9	Which of the following has the fastest speed :			
	(A) Registers	(B) Cache	(C) DRAM	(D) Floppy
10	Which of the following is a signal :			
	(A) DMA	(B) Interrupt	(C) Memory	(D) Register
11	Which of the given is a biometric technique :			
	(A) Access card	(B) Password	(C) Face recognition	(D) Pin number
12	Pressing and releasing the left mouse button quickly is called :			
	(A) Dropping	(B) Clicking	(C) Dragging	(D) Pointing
13	A tool used to find a similar or alternative word in a document is called :			
	(A) Thesaurus	(B) Finding Tool	(C) Font	(D) Search and Replace
14	Which of the following is absolute address :			
	(A) A1	(B) \$A\$1	(C) \$A1	(D) A1\$
15	URL stands for :			
	(A) Universal Research Locator	(B) Universal Resource Locator		
	(C) Uniform Research Locator	(D) Uniform Resource Locator		

Lahore Board-2023

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2019 – 2021 to 2022 – 2024)
COMPUTER SCIENCE 223-1st Annual-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I



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

(i) Define the term information technology. (ii) Write a short note on plotters.
(iii) What is the purpose of application software? (iv) Define feasibility study.
(v) What is the use of image processing system? (vi) How computer can be useful in banks?
(vii) Write any two uses of Robot in industry. (viii) Differentiate between active cell and passive cell.
(ix) Write the function to calculate the maximum value from A1 to A5 cells.

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

(i) Define telnet.
(ii) Differentiate between client and server.
(iii) Write the functions of presentation layer of OSI Model.
(iv) What do you know about parallel data transmission?
(v) How does a modem work?
(vi) Describe broadband.
(vii) Why are web browsers used?
(viii) Write any two limitations of E-mail.
(ix) Elaborate the use of newsgroups on internet.

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

(i) What is interrupt? How is it generated?
(ii) Write the purpose of I/O instructions.
(iii) Elaborate biometrics.
(iv) How can virus damage the computer?
(v) Why is backup important?
(vi) What is the purpose of Recycle Bin?
(vii) What is the use of click event of mouse?
(viii) What is meant by editing a document?
(ix) How is WordArt inserted in a document?

SECTION – II

Note : Attempt any THREE questions.

5. What are impact printers? Discuss any two impact printers. 8
6. What is bus topology? Explain its working with diagram. Discuss its advantages and disadvantages. 8
7. Briefly describe different guided media. 8
8. Explain the Architecture of Computer System. Which components are included in the architecture of modern stored program machine? 8
9. What is operating system? Write any six functions of an operating system. 8

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2018 – 2020 to 2021 – 2023)

COMPUTER SCIENCE 222-(INTER PART – I) Time Allowed : 20 Minutes

Q.PAPER – I (Objective Type) **PAPER CODE = 6831** Maximum Marks : 15

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	Core area of system development process is called :			
	(A) Report	(B) Testing	(C) Coding	(D) Compiling
2	Smallest unit of memory is :			
	(A) Byte	(B) Bit	(C) Character	(D) Word
3	The process of sending and receiving messages and files on internet is called :			
	(A) Transmission	(B) Messaging	(C) Electronic mail	(D) Internet
4	The --- layer that is in between of session layer and application layer :			
	(A) Network	(B) Transport	(C) Presentation	(D) Data link
5	A cable consists of tubes of glass through which data are transmitted as pulse of light is called :			
	(A) Coaxial cable	(B) Twisted pair	(C) Fiber optic cable	(D) Coaxial tubes
6	The number of time a wave repeats during a specific time period is called :			
	(A) Oscillation	(B) Frequency	(C) Signals	(D) Amplitude
7	Office support system is enable to coordinate and manage the activities of :			
	(A) Workgroup	(B) Business	(C) Security	(D) Marketing
8	Which of the computer component is responsible for computations of data :			
	(A) ALU	(B) Control Unit	(C) Memory	(D) ROM
9	Temporary area within CPU is called :			
	(A) Register	(B) ROM	(C) RAM	(D) Cache Memory
10	Math Coprocessor is a :			
	(A) Software	(B) Special circuit	(C) Register	(D) Memory name
11	Making illegal copies of copyrighted software is called :			
	(A) Software piracy	(B) Collaboration	(C) Browsing	(D) Hacking
12	Software can be removed / installed through :			
	(A) Installer	(B) Control panel	(C) Debugger	(D) Linker
13	Changing an existing document is called :			
	(A) Editing	(B) Entering	(C) Printing	(D) Typing
14	The currently selected cell in spreadsheet is called :			
	(A) Idle cell	(B) Active cell	(C) Passive cell	(D) Present cell
15	A collection of related web pages is called :			
	(A) Web page	(B) Website	(C) Exite	(D) Web server

40-222 – (Objective Type)- 11750 (6831)

Lahore Board-2022

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2018 – 2020 to 2021 – 2023)
COMPUTER SCIENCE 222-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I



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

12

- (i) How does light pen work?
- (ii) How would you compare bit and byte?
- (iii) What is the purpose of testing?
- (iv) Define the term information technology.
- (v) What is the function of presentation layer?
- (vi) How would you describe Wide Area Network?
- (vii) How would you define Word Art?
- (viii) How would you create a table in MS-Word?
- (ix) Differentiate between De-facto and De-Jure network standards.

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

12

- (i) Define Broadband.
- (ii) What is a modem?
- (iii) How analog signals are different from digital signals?
- (iv) Describe the importance of cache memory.
- (v) What is the use of Memory Address Register?
- (vi) Differentiate between One-Address and Two-Address instruction format.
- (vii) Write down the steps involved in fetching an instruction in computer.
- (viii) Differentiate between worksheet and workbook.
- (ix) Write a function that returns the maximum number from cells A1 to C9.

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

- (i) How banks can take benefit from the use of computer?
- (ii) How computer can be used in offices?
- (iii) What is the use of computer aided design?
- (iv) How would you express antivirus software?
- (v) How would you define privacy issue?
- (vi) What is the purpose of Recycle Bin?
- (vii) Write two purposes of an operating system.
- (viii) Write any two uses of Internet.
- (ix) What do you know about website?

SECTION – II

Note : Attempt any THREE questions.

- 5. Define Software. Briefly describe the classification of softwares.
- 6. Define Computer Network. Discuss Client-Server and Peer-To-Peer Network Models.
- 7. What is meant by encoding of data? Explain any three coding schemes to represent data in computer.
- 8. Explain four types of CPU instructions.
- 9. Give your opinion about data security. Discuss any six ways of security violations. 2,

40-222-(Essay Type)- 470

Lahore Board-2021

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2017 – 2019 to 2020 – 2022)
COMPUTER SCIENCE 221-(INTER PART – I) Time Allowed : 20 Minutes
PAPER – I (Objective Type) **PAPER CODE = 6833** Maximum Marks : 15

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	Windows was developed by :			
	(A) Sun system	(B) ANSI	(C) IEEE	(D) Microsoft
2	Which is an example of un-guided media :			
	(A) Twisted pair	(B) Fiber optic	(C) Microwave	(D) Coaxial
3	The step that obtains next instruction from memory is called :			
	(A) Get	(B) Fetch	(C) Reading	(D) Decode
4	A domain name is the text version of :			
	(A) IP address	(B) Hypertext	(C) HTTP	(D) FTP
5	Banks are providing the facility of :			
	(A) CAL	(B) CBT	(C) ATM	(D) CAD
6	Which is most complicated topology :			
	(A) Ring	(B) Star	(C) Tree	(D) Mesh
7	Which of the following is a word processor :			
	(A) Adobe Acrobat	(B) Photo Express	(C) MS Word	(D) MS Excel

(Turn Over)



Lahore Board-2021

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8	Which of the following is not a data gathering method :			
	(A) Interviews	(B) Sampling	(C) Analysis	(D) Written documents
9	Which communication medium requires line-of-sight :			
	(A) Fiber optic	(B) Coaxial	(C) Satellite	(D) Microwave
10	Number of characters a byte can store :			
	(A) 1	(B) 2	(C) 4	(D) 8
11	Which register has special role in division and multiplication :			
	(A) AX	(B) BX	(C) CX	(D) DX
12	Which of the following is correct cell address :			
	(A) 5A	(B) ZA	(C) 55	(D) A5
13	Which of the following is a biometric technique :			
	(A) Access card	(B) Password	(C) Eye retina	(D) PIN
14	Number of layers in OSI Model :			
	(A) 05	(B) 07	(C) 10	(D) 14
15	The devices that are automatically detected by windows are called :			
	(A) Automatic devices	(B) Semi-automatic devices	(C) Plug and play devices	(D) Parallel devices

40-221 – (Objective Type)- 11750 (6833)



Lahore Board-2021

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2017 – 2019 to 2020 – 2022)
COMPUTER SCIENCE 221-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I



SECTION – I

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

12

- (i) Define the term information technology (IT).
- (ii) What is hardware?
- (iii) Write the name of any two input devices.
- (iv) What is system software?
- (v) What is the purpose of presentation layer?
- (vi) What is extranet?
- (vii) What is WAN? Give an example.
- (viii) What is broadband?
- (ix) What is coaxial cable?

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

12

- (i) List two benefits of video conferencing.
- (ii) What is E-banking?
- (iii) What is computer simulation?
- (iv) What is SRAM?
- (v) What is computer architecture?
- (vi) Define memory address.
- (vii) What is cache memory?
- (viii) What is biometrics?
- (ix) How the virus is activated?

(Turn Over)

Lahore Board-2019

Roll no _____ (To be filled in by the candidate) (Academic Sessions 2015 – 2017 to 2018 – 2019)

COMPUTER SCIENCE 219-(INTER PART – I) Time Allowed : 20 Minutes

Q.PAPER – I (Objective Type) **PAPER CODE = 6837** Maximum Marks : 15

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	Start/Stop bits are not required in the transmission :			
	(A) Synchronous	(B) Asynchronous	(C) Parallel	(D) Serial
2	The process of moving up/down in word processing documents is called :			
	(A) Line movement	(B) Word-wrap	(C) Pull-down	(D) Scrolling
3	A person who gains illegal access to a computer system :			
	(A) Hacker	(B) Worm	(C) Pirated software	(D) Shareware
4	The length of IP-V4 address is :			
	(A) 8-bits	(B) 16-bits	(C) 32-bits	(D) 256-bits
5	The electronic circuits of computer system are called :			
	(A) Software	(B) Hardware	(C) Firmware	(D) Shareware
6	The Fly-by-Wire system is used in :			
	(A) Medical field	(B) Business field	(C) Education field	(D) Airline
7	The process of touching an object with mouse pointer is called :			
	(A) Pausing	(B) Dropping	(C) Pointing	(D) Hovering

(Turn Over)

Lahore Board-2019

(2)

8	A device that connects multiple networks using similar or different protocols is :			
	(A) Router	(B) NIC	(C) Bridge	(D) Modem
9	A collection of related worksheets form a :			
	(A) Website	(B) Workbook	(C) WordArt	(D) Spreadsheet
10	CPU includes all of the following components except :			
	(A) Register	(B) Primary memory	(C) ALU	(D) Control unit
11	Internal network of an organization that uses internet and web techniques is called :			
	(A) Intranet	(B) Extranet	(C) Uploading	(D) Downloading
12	Communication between computer and keyboard involves the transmission :			
	(A) Automatic	(B) Multiplex	(C) Simplex	(D) Half-duplex
13	Which memory is used to speed up the computer processing :			
	(A) ROM	(B) Cache Memory	(C) BIOS	(D) Hard Disk
14	A mobile SIM and ATM cards are example of :			
	(A) Video card	(B) OMR card	(C) Smart card	(D) Strip card
15	The right of person to keep his information away from others is called :			
	(A) Secrecy	(B) Right	(C) Privacy	(D) Private

40-219 – (Objective Type)- 10750 (6837)

Lahore Board-2019

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2015 – 2017 to 2018 – 2020)
COMPUTER SCIENCE 219-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I

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

- (i) Enlist data gathering techniques.
- (ii) How daisy wheel printer works.
- (iii) Why user training is important in SDLC?
- (iv) Why we use workgroup computing?
- (v) In which situation gateway is used?
- (vi) How ISDN is different from DSL?
- (vii) What is the difference between direct and indirect input?
- (viii) List out four domains with their type of institutions.
- (ix) Write two limitations of email.

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

- (i) How data is represented in computer?
- (ii) Define EBCDIC code.
- (iii) What is asynchronous transmission?
- (iv) Define E-Commerce.
- (v) Define Document Management System.
- (vi) What is WYSIWYG?
- (vii) Describe the role of insert mode.
- (viii) State the advantages of Named Ranges.
- (ix) Define function in MS-Excel.

(Turn Over)

Lahore Board-2019

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

- (i) What is computer architecture?
- (ii) What is the role of main memory?
- (iii) What is bus interconnection?
- (iv) What is interrupt?
- (v) What is the role of registers in computer?
- (vi) Define security of data.
- (vii) What is the use of biometrics for data security?
- (viii) What is meant by multi-tasking?
- (ix) What is primary partition?

SECTION – II

Note : Attempt any THREE questions.

5. Define pointing devices. List down all pointing devices and discuss any two.	8
6. Explain client / server, peer-to-peer and Hybrid network modal in detail.	3,3,2
7. Briefly describe different guided media.	8
8. What is a computer bus? Explain in detail different types of buses used in computer.	8
9. Write a note on different types of viruses.	8

Lahore Board-2018

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2015 – 2017 to 2017 – 2019)

COMPUTER SCIENCE 218-(INTER PART – I) Time Allowed : 20 Minutes

Q.PAPER – I (Objective Type) **PAPER CODE = 6831** Maximum Marks : 15

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	Another word for pointer is :			
	(A) Monochrome	(B) Pixel	(C) Cursor	(D) Director
2	The microphone converts the sound into :			
	(A) Mechanical signals	(B) Electrical signal		
	(C) Computer file	(D) Signal		
3	Each computer on a network is called :			
	(A) Link	(B) Code	(C) Node	(D) Mode
4	The process of transferring a file from a remote computer to our local computer is :			
	(A) Downloading	(B) Uploading	(C) Shifting	(D) Sending
5	The process of converting digital signals into analog signals by a modem is :			
	(A) Demodulation	(B) Modulation	(C) Merging	(D) Mixing
6	BIT stands for :			
	(A) Binary tree	(B) Binary digit	(C) Binary integer	(D) Binary interval
7	Electronic banking is also known as :			
	(A) Cyber banking	(B) offline banking		
	(C) Interactive banking	(D) Global banking		
8	A set of instructions that run the computer are :			
	(A) Hardware	(B) Document	(C) CPUs	(D) Software
9	The register holds the address of the next instruction to be fetched for execution :			
	(A) Program counter	(B) Instruction register		
	(C) Counter register	(D) Base register		
10	Another name for antivirus is :			
	(A) Vaccine	(B) Worm	(C) Trojan Horse	(D) DES
11	Software that is available free for a limited period is called :			
	(A) Freeware	(B) Shareware	(C) Groupware	(D) Netware
12	GUI stands for :			
	(A) General User Interface	(B) Graphical User Icons		
	(C) Graphical User Interface	(D) Graphical Usage Interface		
13	Which of the following keyboard shortcuts is used to change the case :			
	(A) Ctrl + F3	(B) Ctrl + F2	(C) Shift + F3	(D) Alt + F3
14	Formula can only be applied on :			
	(A) Values	(B) Labels	(C) Unmerged cells	(D) Title
15	World Wide Web was established in :			
	(A) 1980	(B) 1985	(C) 1989	(D) 1992

Lahore Board-2018

Roll No _____ (To be filled in by the candidate) (Academic Sessions 2015 – 2017 to 2017 – 2019)
COMPUTER SCIENCE 218-(INTER PART – I) Time Allowed : 2.10 hours
PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I

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

- (i) How does a pointing stick work ? (ii) Why we need training of users for a new system?
- (iii) Define digital convergence. (iv) What is the function of presentation layer in OSI model?
- (v) How tree topology is constructed? (vi) Differentiate between internet and extranet.
- (vii) Define bandwidth. (viii) Explain De-modulation.
- (ix) Differentiate between analog and digital signal.

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

- (i) Write any two advantages of using ATM in banks.
- (ii) How computer can be useful in marketing?
- (iii) Write two benefits of Computer Aided Learning.
- (iv) Why ALU is necessary for a computer system?
- (v) Write the use of expansion bus.
- (vi) What is the use of Memory Address Register?
- (vii) Define three-address instruction format.
- (viii) What is Dynamic Random Access Memory?
- (ix) Why we use bio-metrics in computer security?

12

12

(Turn Over)

(2) Lahore Board-2018

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

12

- (i) What is primary partition?
- (ii) Name two events of keyboard.
- (iii) Differentiate between multitasking and multiprocessing operating system.
- (iv) State the use of page setup dialog.
- (v) What is WordArt in word?
- (vi) Define formula in MS-Excel.
- (vii) Name two types of charts used in MS-Excel.
- (viii) How Web pages are created?
- (ix) Distinguish between HTTP and FTP.

SECTION – II

Note : Attempt any THREE questions.

5. What is impact printer? Discuss Dot Matrix Printer and Daisy Wheel Printer.	2,3,3
6. What is Bus Topology? Explain its working with diagram. Also write down its two advantages and two disadvantages.	2,2,2,2
7. Define data communication. Explain basic components of data communication.	2,1,1,1,1,2
8. What is ROM? Explain different types of ROM.	2,6
9. Define Graphical User Interface and Command Line Interface Operating Systems. Give any four comparisons between them.	4,4

40-218-(Essay Type)- 37000

