

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

(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.
- 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.

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)- 5/2020

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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

40-223 – (Objective Type)- 11750 (6831)

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 :

12

- (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 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 :

12

- (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 :

12

- (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

(2)

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

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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



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 – 2020)

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

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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

(2)

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



40-219-(Essay Type)- 43000

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 :



12

- (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 :

12

- (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?

(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

