

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 *LHR-1-24*

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

40-224-I-(Objective Type)- 10625(6831)

SECTION – I

LHR-1-24

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

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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

LHR-2-24

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

130-224 – II-(Objective Type)-/2750 (6836)

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

SECTION – I

LHR-2-24

- 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