

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. *LHR-11-23*

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

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PAPER – I (Essay Type) Maximum Marks : 60

SECTION – I

LHR-11-23

- 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

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COMPUTER SCIENCE

221-(INTER PART - I)

PAPER CODE = 6833

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WR-21

(To be filled in by the candidate) (Academic Sessions 2017 – 2019 to 2020 – 2022)

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)

(2)

MR-21

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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221-(INTER PART – I)

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SECTION – I

WR-21

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)

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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)

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SECTION – I

24/22

- 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,