Paper Code Number: **2833**	**2024 (1ˢᵗ-A)** **INTERMEDIATE PART-I (11ᵗʰ Class)**	Roll No: _____

COMPUTER SCIENCE PAPER-I GROUP-I MTN-1-24

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

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SECTION-I

2. Write short answers to any six parts.   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

COMPUTER SCIENCE   PAPER-I   GROUP-II   MTN-2-24

| **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

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