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# MP HC TA

Previous Year Paper  
(Prelims)  
24 Nov, 2023





**THE HIGH COURT OF MADHYA PRADESH : JABALPUR**  
(Exam Cell)

**NOTIFICATION**

No. 118/Exam/TA(C)/2023

Jabalpur, Date : 24.11.2023

The High Court of M.P. has been pleased to publish the Proposed Model Answer Keys for the Questions Paper (Objective Type) of Online Preliminary/ Screening Examination of Technical Assistant (Computer) Direct Recruitment Exam-2023, held on 24-11-2023. High Court of M.P. intends to use the Proposed Model Answer keys in the evaluation of the aforementioned question paper.

If any candidate wishes to make any objection regarding any Model Answer Key, he/she may submit such objection, in writing & signed by him/her, to the Principal Registrar (Exam), High Court of Madhya Pradesh, Jabalpur, by way of **post or by hand only** in Receipt Section of High Court of Madhya Pradesh within 07 days from the date of uploading of the proposed Model Answer Keys on website, during working hours, mentioning his/her Name & Application number, along-with self attested photo copies of source document(s)/proof, on the basis of which he/she has submitted the objection.

Objections received within aforesaid time and in aforesaid manner, shall be taken into consideration. Objections received by E-mail or any other electronic mode will not be accepted. Any objection received without any authentic proof/source or any objection received after aforesaid stipulated period/time shall not be entertained/ considered on any ground.

After declaration of result of Online Preliminary Exam, no representation regarding final model answer keys or Questions shall be entertained on any ground, whatsoever.

*24.11.2023*  
(Sanjay Agrawal)  
Registrar (Exam)  
*नीति निधि*

**Attached :-** Question paper alongwith Proposed Model Answer Keys and format for submitting objection.



## **HIGH COURT OF MADHYA PRADESH : JABALPUR**

### **Proposed Model Answer keys alongwith question paper for Online Preliminary Examination of Technical Assistant (Computer) Exam-2023**

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
1	"PDF" stands for	4	Printable Document Format	Portable Data Format	Printable Data Format	Portable Document Format
2	The intersection area of a row and a column in spreadsheets is called .....	2	box	cell	line	table
3	Thread is a	1	Lightweight process	Heavy weight process	Multi-process	I/O process
4	Which of the following schedules threads?	2	Virtual Memory	Operating System Kernel	CPU	Input
5	Main memory of a computer system is -	3	Non-volatile	Restricted	Volatile	Unrestricted
6	What else is a command interpreter called?	4	prompt	kernel	command	shell
7	Operating System is a _____ that helps in booting up computer and running other applications.	3	Application Software	Hardware	System Software	Firmware
8	Interleaved execution of different processes/jobs by a single CPU is called _____.	2	Multi-processing	Mulit-programming	Multi-tasking	Multi-threading
9	Simultaneous execution of different processes/jobs by different CPUs at the same time is called _____.	1	Multi-processing	Mulit-programming	Multi-tasking	Multi-threading
10	A virus program that hides itself in a program such as game or spreadsheet program and executes itself when that program i.e., game or spreadsheet is activated, and it destroys or alters or damages data is called _____.	4	Trap Door	Bomb	Bacteria	Trojan Horse

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
11	Which of the following given mnemonics of the instruction is not the data transfer instruction?	4	LD	MOV	PUSH	INC
12	What are the shortcut keys used for cut and paste the text in the MS word, respectively?	1	Ctr+X, Ctr+V	Alt+C, Alt+V	Alt +C, Alt+P	Ctr+C, Ctr+P
13	Which of the following is used as a relational database application?	4	MS Excel	MS Word	MS Power Point	MS Access
14	Creation of a presentation involves choosing slides, entering content, formatting text and images of slides, animating slides, inserting audios and videos etc. Which of the following software is used to create such presentation?	3	Paint	Word	PowerPoint	Photoshop
15	The 32-bit IP address represented in four groups in dotted decimal number system. Which of the following cannot be assigned as an IP address to any system?	3	192.168.16.5	240.168.15.16	192.195.284.16	247.230.192.199
16	In which generation computer, very large-scale integrated circuits (VLSI) are used?	1	Fourth Generation	Third Generation	Second Generation	First Generation
17	Collection of independent computers that are physically separate, working together and appear to its users as a single coherent system is called _____.	2	Cloud System	Distributed System	Multiprocessor System	Multiuser System
18	What will the value sum after adding two binary numbers "11111" and "01011"?	4	1010	101110	100110	101010
19	High level language programs are converted into the machine language using _____?	3	Assembler	Analog to Digital Converter	Compiler or Interpreter	Loader
20	The one-bit storage elements employed in clocked sequential circuits are called _____.	1	Flip-flops	Register	Memory	RAM

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
21	The binary representation of $(45)_{10}$ is $(\underline{\hspace{2cm}})_2$ .	2	100101	101101	101001	101011
22	Which of the following pair of registers must have same size?	4	Data register, Program counter	Accumulator, Program counter	Address register, Data register	Address register, Program counter
23	What will the correct assembly code for the operation $R1 \leftarrow R1 + R2$ , if the number of address field in the instruction are two.	1	ADD R1, R2	ADD R1, R1 R2	ADD R1, R2 R1	ADD R2, R1
24	Which of the following software does not bundle in Microsoft Office?	4	Word	Access	PowerPoint	WordPad
25	What does DMA stand for in computer architecture?	4	Data Memory Access	Data Memory Address	Direct Memory Address	Direct Memory Access
26	A very high-speed memory which is used to increase the speed of processing by making current programs and data available to the CPU at a rapid rate is called _____.	3	RAM	ROM	Cache	Auxiliary memory
27	Which of the following format is used to store data?	3	Decimal	Octal	BCD	Hexadecimal
28	Subtraction in computers is carried out by -	2	1's complement	2's complement	3's complement	9's complement
29	The collection of 8-bits is called as -	1	Byte	Nibble	Word	Record
30	What does MIMD stand for?	2	Multiple Instruction and Memory Data Stream	Multiple Instruction and Multiple Data Stream	Memory Instruction and Multiple Data Stream	Memory Information and Memory Data Stream
31	Which of the following is page fault?	4	Page fault occurs when a program accesses a page of another program	Page fault occurs when a program accesses a page in main memory	Page fault occurs when there is an error in particular page	Page fault occurs when a program accesses a page which is not present in main memory
32	What does DRAM stands for?	3	Dynamic Read Access Memory	Digital Random Access Memory	Dynamic Random Access Memory	Dynamic Read Allocation Memory

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
33	The hexadecimal equivalent of the decimal number 2047 is -	4	2FF	0FF	4FF	7FF
34	The step during which a new instruction is read from the memory is called	2	Decode Stage	fetch Stage	execute Stage	control Stage
35	The number of pixels displayed on screen is known as -	2	Monitor	Resolution	Refresh rate	Color depth
36	The circuit which implements OR operation is called as ...	4	AND gate	NOT gate	NOR gate	OR gate
37	The process of raising the strength of a weak signal is known as _____.	3	Rectification	Generation	Amplification	Repetition
38	Zener diodes are primarily used as _____.	4	Amplifiers	Rectifiers	Oscillators	Voltage regulators
39	Superimposing of electrical audio signal on high frequency carrier is called	2	Amplification	Modulation	Demodulation	Rectification
40	Which of the following is false for the operational amplifier?	3	It can perform mathematical operations	It is an integrated circuit	It cannot perform mathematical operations	Differential amplifier is the part of Operational amplifier
41	Which of the following is universal gate?	4	AND	OR	NOT	NAND
42	To programme a microprocessor, which programming language is used that address the difficulties of machine code ?	1	Assembly	C++	Java	Python
43	A single purpose controlling device that is used in different embedded systems such as washing machine, microwaves, etc. is called	3	Microprocessor	Microcomputer	Microcontroller	Minicomputer
44	Standard keyboard is also referred as _____.	2	Multimedia Keyboard	QWERTY Keyboard	Numeric Keyboard	Wired Keyboard
45	Which of the following is an input device ?	3	Monitor	Printer	Scanner	Plotter
46	Command, which is used to create new directory is	3	CD	DIR	MD	RD

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
47	Which command is used to open and edit registry files under windows ?	2	MMC	REGEDIT	REGISTRY	CD
48	In Windows OS, when you delete files, Windows create shortcuts to them in the _____.	3	Control Panel	taskbar	Recycle bin	Classic View
49	On Windows, the System, Device driver, Mouse settings are found in the _____.	1	Control Panel	taskbar	Recycle bin	Classic View
50	The system BIOS is stored on nonvolatile memory called _____.	1	BIOS ROM	CMOS	BIOS	RAM
51	One of the common way to enter CMOS setup is to press the _____ during boot process	4	NUM LOCK Key	BACKSPACE key	ENTER key	DELETE key
52	A _____ uses memory chips to store data and has none of the moving parts of traditional hard drives.	3	SATA	RAID	SSD	CHS
53	The _____ tool enables you to partition and format drives in Windows	1	Disk Management	CHKDSK	defragmentation	dynamic disk
54	If your hard drive is running out of free space, you should use the _____ utility.	2	Scan Disk	Disk Cleanup	Dynamic disk	FDISK
55	How many Bytes are there in the 1 Giga Byte (GB)?	2	2^20	2^30	2^40	2^50
56	Which of the following is not installed on the mother board of the computer?	4	Processor	Cooling Fan	Ram	SMPS
57	If you hear a continuous long beep in the computer hardware, then there might be a problem with the _____?	1	RAM/Mother Board	Processor/Optical disk drive	Monitor/Hard disk	Keyborad/SMPS
58	If your system date and time are not storing, which part of the computer system should be checked?	3	RAM	Mother board	CMOS battery	ROM
59	An excellent tool for determining the connectivity to the network and other hosts is the _____ command.	3	NET VIEW	IPCONFIG	PING	NET CONFIG

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
60	_____ command is used on Windows to check the path to other computers.	4	NSLOOKUP	NET VIEW	IPCONFIG	TRACERT
61	Identify the full form of HTTP?	1	HyperText Transfer Protocol	HyperText Transfer Package	Hyper Transfer Text Package	Hyper Transfer Text Protocol
62	Which of the following layer isn't present in the TCP/IP model but is included in the OSI model?	2	Network Layer	Session Layer	Application Layer	Transport Layer
63	Choose the port number of FTP-	2	23	21	110	143
64	Which of the following is an example of Bluetooth?	4	wide area network	virtual private network	local area network	personal area network
65	Which of the following devices forwards packets between networks by processing the routing information included in the packet?	4	firewall	bridge	hub	router
66	What is the term for an endpoint of an inter-process communication flow across a computer network?	3	port	machine	socket	pipe
67	Which of the following networks extends a private network across public networks?	1	virtual private network	local area network	storage area network	enterprise private network
68	"Parity bits" are used for which of the following purposes?	3	Encryption of data	To transmit faster	To detect errors	To identify the user
69	Identify among the following which belongs to class A -	1	121.12.12.248	128.12.12.248	129.12.12.248	130.12.12.248
70	The length of an IPv6 address is -	3	32 bits	64 bits	128 bits	256 bits
71	A network topology, where every device has a dedicated point-to-point link with every other device is called _____.	2	Star topology	Mesh topology	Tree topology	Bus topology
72	How many layers are there in the layered architecture of OSI model?	2	Nine	Seven	Five	Four

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
73	Every devices uses a physical address that is imprinted on network interface card (NIC), what is the size of this physical network for the Ethernet connection?	3	16-bits/ 2-byte	32-bits/ 4-byte	48-bits/ 6-byte	64-bits/ 8-byte
74	Which of the following connector is mostly used to connect a unshielded twisted pair Ethernet cable with the network device?	4	BNC Connector	SC/ST Connector	MT RJ connector	RJ-45 Connector
75	A connecting device that is used to connect in segments of LAN and increases the strength of the signal and operate only on physical layer is called _____.	1	Repeater	Bridge	Router	Gateway
76	A connecting device that can connect two WANs and operate on all layer of OSI model and also called protocol converter is known as _____.	4	Repeater	Bridge	Router	Gateway
77	Which one of the following is a valid format of email address ?	1	orange@banana.com	gmail.com	orange@.com	readers@books
78	_____ is an Input device that converts printed document into digital form.	2	printer	scanner	touchpad	mouse
79	Which of the following are CPU scheduling algorithms?	4	Priority Scheduling	Round Robin Scheduling	Shortest Job First	All of the above
80	Banker's algorithm is used for which of the following purposes ?	1	Preventing deadlock	Solving deadlock	Recover from deadlock	None of the above
81	Select the correct definition of "spooling" -	2	spooling is a type of fast memory	spooling holds a single copy of data	spooling holds copy of all data in the system	None of the above
82	Why is CPU scheduling done?	3	decrease CPU utilization	decrease cost	increase CPU utilization	None of the above
83	The most optimal CPU scheduling algorithm is -	1	Shortest Job First	First Come First Serve	Round robin	None of the above
84	Which of the following is a single user operating system?	2	Windows	MS-DOS	MAC	None of the above

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
85	Which of the following architecture is used in majority of desktop personal computer now a days ?	1	von Neumann architecture	Harvard architecture	Instruction Set architecture	None of the above
86	Which of the following allows simultaneous write and read operations?	3	ROM	EROM	RAM	None of the above
87	Which of the following is not considered as a peripheral device?	1	CPU	Keyboard	Monitor	All of the above
88	The address in the main memory is known as -	2	Logical address	Physical address	Memory address	None of the above
89	Which of the following memory unit communicates directly with the CPU?	2	Auxiliary memory	Main memory	Secondary memory	None of the above
90	CISC stands for -	1	Complex Instruction Set Computer	Complete Instruction Sequential Compilation	Complex Instruction Sequential Compiler	None of the above
91	What does EEPROM stands for?	1	Electrically Erasable and Programmable Read-Only Memory	Electronically Enabled and Programmable Read-Only Memory	Electrically Enabled and Programmable Read-Only Memory	None of the above
92	RISC stands for -	1	Reduced Instruction Set Computer	Risk Instruction Sequential Compilation	Risk Instruction Source Compiler	None of the above
93	An electronic component used to store electric charge is ...	3	inductor	resistor	capacitor	None of the above
94	Rectifier is a device used to -	2	converter DC to AC	converter AC to DC	both 1 and 2	none of the above
95	A semiconductor is a substance which ..... at room temperature.	3	Does not have any free electron	Has large number of free electrons	Has very few free electrons	None of the above
96	A Galvanometer connected in series with high resistance is called _____.	2	ammeter	voltmeter	wattmeter	None of the above
97	A Galvanometer connected in parallel with low resistance is called _____.	1	ammeter	voltmeter	wattmeter	None of the above
98	The Integrated circuits (ICs) are generally made of _____.	3	Germanium	Copper	Silicon	None of the above

Que. No.	Question Text	Model Ans.	Option 1	Option 2	Option 3	Option 4
99	If you are installing a windows operating system (OS) on the system using the disc drive, and default boot order is hardware derive, then where would go first and what will you do?	2	Go to OS setting and change the boot order	Go to BIOS and change the boot order	Go to disc setting and change the boot order	None of the above
100	If a host want to send a frame to some selected set of stations in the network, which would be the most preferred sufficient address?	2	Unicast Address	Multicast Address	Broad cast address	None of the above

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*Copy!*

