



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

(Exam Cell)

**NOTIFICATION**

No. ~~547~~/Exam/SCM/2018

Dated 30-09-2018

The High Court of M.P. has been pleased to publish the Proposed Model Answer Keys of the Questions of Senior Computer Programmer (State Legal Service Authority) Online Exam-2018 held on 30-09-2018. High Court of M.P. intends to use the following Answers in the evaluation of Online Paper Questions of the aforementioned examination.

“If any candidate wishes to make any objection / clarification *etc.* Regarding any Model Answer/Key, he/she may, **submit, in writing & signed by him**, the objection/clarification *etc.* to the **Registrar (Exam) M.P. High Court, Jabalpur, within 7 days** from the date of **uploading/publication of the proposed Model Answers/Keys, during working hours (10:00am to 5:00pm), mentioning his/her Name & Online Application No., alongwith self attested photocopy(s) of source document(s) / proof,** on basis which he/she has submitted the objection/clarification.


**Objections in this regard, if any will be accepted only in hardcopy(s) but objection received through E-mail or Fax shall not be entertain.**

Objections received within aforesaid time and in aforesaid mode shall be taken into consideration. **However,** any objection/ clarification received without any authentic proof/source or any objection received after aforesaid stipulated period/time shall not be entertain/consider on any ground

whatsoever and **shall stand rejected without assigning any reason.**

Objections/clarification received in aforesaid manner and mode and within aforesaid time limit alongwith self attested copies of the source/proof document shall be consider and the model Answers shall be finalize by committee. The Model Answer finalized by the committee, so constituted, after taking into consideration objection(s)/clarification(s), if any, received from any candidate(s), shall be used as Keys/model Answer for the generation of result/valuation of the Online Preliminary Exams / Answer Sheets of the candidates.

**After declaration of result, no such representation regarding objection/clarification of any Model Answer / Questions, shall be entertained on any ground, whatsoever and representation / objection received after due date or declaration of result shall stand rejected without assigning any reason.”**

  
30/9/2018  
**(Joginder Singh)**  
**Registrar (Exam)**

**Attached :** Question Paper with Proposed Model Answers.



**HIGH COURT OF MADHYA PRADESH : JABALPUR**  
**Format for Online Assessment / Exam for the post of**  
**Senior Computer Programmer (State Legal Service Authority)-2018**  
**Question Paper Alongwith Model Answers ( English )**

Q. No.	Question	Correct Option No.	Option 1	Option 2	Option 3	Option 4
<b>Comprising of Networking, Ubuntu Linux Operating System, Language-C, C++, Java, PHP, Computer Trouble Shooting, Data Base (MYSQL, SQL, POSTGRESQL) (Total - 75 Questions)</b>						
1	Which of the following is not a logical data-base structure ?	4	tree	relational	network	chain
2	In SQL, which command is used to make permanent changes made by statements issue since the beginning of a transaction ?	3	ZIP	PACK	COMMIT	SAVE
3	The relational model uses some unfamiliar terminology. A tuple is equivalent to a :-	1	record	field	file	database
4	Which command is used to remove an index from the database in SQL ?	2	DELETE INDEX	DROP INDEX	REMOVE INDEX	ROLL BACK INDEX
5	In a ..... a parent record type can be linked to one or more "child" record types, but a child record type can have only one parent.	3	Network database	Relational database	Hierarchical database	Distributed database
6	Which two files are used during operation of the DBMS ?	3	query language and utilities	data manipulation language and query language	data dictionary and transaction log	data dictionary and query language
7	If you want your database to include methods, you should use a ..... database.	4	Network	Distributed	Hierarchical	Object-Oriented
8	In SQL, the CREATE VIEW command is used :-	2	to recompile view	to define a view of one or more tables or views	to recompile a table	to create a trigger
9	A data dictionary is a special file that contains :-	4	the names of all fields in all files	the data types of all fields in all files	the widths of all fields in all files	All of these
10	In SQL, which command is used to select only one copy of each set of duplicable rows :-	1	SELECT DISTINCT	SELECT UNIQUE	SELECT DIFFERENT	All of these
11	GNOME is based on :-	1	CORBA toolkit	COM/DCOM toolkit	ORE toolkit	OLE DB toolkit
12	What command is used to halt a Linux system ?	1	init 0	Shutdown -t	Shutdown -g -y0	Ctrl+Alt+Del
13	How many extended partitions can exist on one drive ?	2	16	1	19	20
14	What command is used with vi editor to search a pattern in the forward direction ?	4	??	//	?	/
15	Which of the following is a valid format for mounting a CD-ROM drive ?	4	mount -t iso9660 /dev/cdrom /mnt/cdrom	mount /dev/cdrom	mount /mnt/cdrom	All of these
16	What hardware architectures are not supported by Ret Hat ?	4	SPARC	IBM-compatible	Alpha	Macintosh
17	Frames from one LAN can be transmitted to another LAN via the device :-	2	Router	Bridge	Modem	Repeater
18	What is the default subnet mask for a class- C network ?	4	127.0.0.1	255.0.0.0	255.255.0.0	255.255.255.0



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19	Which of the following is used for modulation and demodulation ?	1	modem	protocols	gateway	multiplexer
20	Which of the following condition is used to transmit two packets over a medium at the same time ?	2	Contention	Collision	Synchronous	Asynchronous
21	In Linux kernel 2.1, the minor numbers were used to :-	1	represent the sub-functionalities of the driver	identify the driver	represent the device files	none of the mentioned
22	Which of the following summation operations is performed on the bits to check an error-detecting code ?	3	Codec	Coder-decoder	Checksum	Attenuation
23	How many hosts are attached to each of the local area networks at your site ?	2	128	254	256	64
24	Which of the following technique is used for fragment ?	3	a technique used in best-effort delivery systems to avoid endlessly looping packets	a technique used by protocols in which a lower level protocol accepts a message from a higher level protocol and places it in the data portion of the low level frame	one of the pieces that results when an IP gateway divides an IP datagram into smaller pieces for transmission across a network that cannot handle the original datagram size	All of these
25	The cheapest modems can transmit :-	1	300 bits per second	2400 bits per second	4800 bits per second	1200 bits per second
26	What protocol is used between E-Mail servers ?	2	FTP	SMTP	SNMP	POP3
27	An error-detecting code inserted as a field in a block of data to be transmitted is known as :-	1	Frame check sequence	Error detecting code	Checksum	flow control
28	Four bits are used for packet sequence numbering in a sliding window protocol used in a computer network. What is the maximum window size ?	3	4	8	15	16
29	RS-449/442-A/423-A is :-	1	a set of physical layer standards developed by EIA and intended to replace RS-232-C.	a check bit appended to an array of binary digits to make the sum of the all the binary digits	a code in which each expression conforms to specific rules of construction, so that if certain errors occur in an expression the resulting expression will not conform to the rules of construction and thus the presence of the errors is detected	the ratio of the number of data units in error to the total number of data units

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30	The "step" command of GDB :-	3	executes the current line of the program	stops the next statement to be executed	executes the current line of the program & stops the next statement to be executed	none of the mentioned
31	CSMA (Carrier Sense Multiple Access) is :-	2	a method of determining which device has access to the transmission medium at any time	a method access control technique for multiple-access transmission media	a very common bit-oriented data link protocol issued by ISO	All of these
32	A modem that is attached to the telephone system by jamming the phone's handset into two flexible receptacles in the coupler ?	3	gateway	bridge	acoustic coupler	time-division multiplexer
33	Which of the following is not a characteristic of structured system development ?	4	partitioning of systems into manageable levels of detail	specification of the interfaces between modules	the use of graphical tools, such as data-flow diagrams, to model system	All of these
34	SVR4 was developed by :-	4	Sun Microsystems	AT&T	University of Berkeley	Sun and AT&T jointly
35	All of the following tools are used for process descriptions except :-	4	structured english	decision tables	pseudocode	data dictionaries
36	All of the following tools are used for process descriptions except :-	4	structured english	decision tables	pseudocode	data dictionaries
37	At the time of system study, flowcharts are drawn using :-	2	non-standard symbols	general symbols	abbreviated symbols	specific symbols
38	The recipe instruction 'Beat until smooth' is an example of the .....structure.	2	Control	Repetition	Selection	Switching
39	Which of the following type of class allows only one object of it to be created ?	3	Virtual class	Abstract class	Singleton class	Friend class
40	Which of the following is not a type of constructor ?	2	Copy constructor	Friend constructor	Default constructor	Parameterized constructor
41	Which of the following term is used for a function defined inside a class ?	2	Member Variable	Member function	Class function	Classic function
42	An integer constant in C must have :-	1	At least one digit	At least one decimal point	A comma along with digits	Digits separated by commas
43	What is the uses of subnetting ?	1	It divides one large network into several smaller ones	It divides network into network classes	It speeds up the speed of network	All of these
44	Electronic mail uses this Application layer protocol :-	3	SMPP	HTTP	SMTP	SIP
45	ICMP is used in :-	1	Ping	Ipconfig	Ifconfig	Both Ipconfig and Ifconfig
46	Communication channel is shared by all the machines on the network in :-	1	broadcast network	unicast network	multicast network	All of the mentioned
47	Open Shortest Path First (OSPF) is also called as :-	1	Link state routing protocol	Error-correction protocol	Spanning Tree Protocol	none of the mentioned




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48	Which of the following OS is not based on Linux ?	4	Ubuntu	Suse	CentOs	SCO Open Server
49	To change the ownership of files and directories recursively, ..... command is used.	3	chown -L	chown -H	chown -R	change -R
50	Which one of the following command is used for searching for a pattern in one or more file(s) ?	3	cd	cp	grep	paste
51	Which one of the following is a file transfer protocol using SSH ?	4	scp	sftp	rsync	All of the mentioned
52	Command used to count number of character in a file is :-	2	grep	wc	count	cut
53	What is size of generic pointer in C++ (in 32-bit platform) ?	2	2 bytes	4 bytes	8 bytes	none of these
54	A constructor is called whenever :-	1	a object is declared	an object is used	a class is declared	a class is used
55	Which one of the following is not a correct variable type in C++ programs ?	4	float	int	double	real
56	In order to maintain the consistency during transactions DBMS provides	2	Commit	Atomic	Flashback	Retain
57	The file "iostream" includes :-	2	The streams of includes and outputs of program effect.	The declarations of the basic standard input-output library.	Both the streams of includes and outputs of program effect <b>AND</b> the declarations of the basic standard input-output library	None of these
58	A function that calls itself for its processing is known as :-	4	Inline Function	Nested Function	Overloaded Function	Recursive Function
59	Which component is used to compile, debug and execute java program ?	2	JVM	JDK	JIT	JRE
60	What is the extension of compiled java classes ?	1	.class	.java	.txt	.js
61	Which of the following loops will execute the body of loop even when condition controlling the loop is initially false ?	1	do-while	while	for	None of these
62	Which function displays the information about PHP ?	3	info()	sysinfo()	phpinfo()	php_info()
63	Which in-built function will add a value to the end of an array ?	4	array_unshift()	into_array()	inend_array()	array_push()
64	What can you use to ensure power is not interrupted, resulting in corrupted data ?	3	Proper grounding	Surge Protector	UPS	none of the mentioned
65	What do you call the programs that are used to find out possible faults and their causes ?	3	operating system extensions	cookies	diagnostic software	boot diskettes
66	SMPS stands for :-	1	Switched mode Power Supply	Start mode power supply	Store mode power supply	Single mode power supply



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67	The ability to recover and read deleted or damaged files from a criminal's computer is an example of a law enforcement speciality called :-	3	Cyber Law	simulation	computer forensics	animation
68	RS-232 is a standard that applies to ?	2	Parallel port	Serial port	Game port	All of these
69	Ram is a junior network engineer at your company and has been asked to troubleshoot an issue for a client who is using Windows. While remotely troubleshooting, Ram wants to check the client's IP configuration for issues. What command can Ram tell the engineer to use to find this information ?	2	ipinfo	ipconfig	ifconfig	ipconfig/flushdns
70	Ram is at the office listening song on his computer while on a break, when suddenly the sound stops coming out of his speakers. Before he checks on anything, he contacts you at the IT Help Desk by phone. What is the first thing you would tell Ram to check ?	4	Check for any recent automatic updates.	Check Video Card driver	Check the Sound Card driver	Check to see if anything is unplugged
71	A mistake in an algorithm that causes incorrect results is called a :-	1	Logical Error	Syntax Error	Procedural Error	Compiler Error
72	'AS' clause is used in SQL for :-	2	Selection operation.	Rename operation.	Join operation	Projection operation.
73	The Default port number of MySQL server is :-	2	3305	3306	3308	3309
74	Slony is a :-	3	replication system for MySQL	replication system for SQL Server	replication system for PostgreSQL	All of these
75	An attribute of a table cannot hold multiple values is the property of :-	1	First normal form (1NF)	Second normal form (2NF)	Third normal form (3NF)	Fourth normal form (4NF)
<b>General Knowledge &amp; English (Total - 25 Questions)</b>						
76	I am afraid ..... darkness	1	of	to	for	with
77	One word for - Inscription on Tombstone Memorial :-	2	Elucidate	Epitaph	pictograph	Distant
78	Choose one Word nearest meaning to the word - Devoid	2	Stupid	entirely lacking	evasive	hopeless
79	Choose the one word that can be substitute for "to examine ones own thoughts and feelings	4	Mediation	retrospection	Reflection	Introspection
80	.....many times every winter in frankfurt	1	it snows	it snowed	it is snow	it is snowing
81	Jane "what ....." Marry "I am trying to fix my calculator"	3	you doing	you do	are you doing	do you do
82	Out of the four alternatives choose the one which best expresses the meaning of the word "TRIVIAL"	4	Worthwhile	Consequential	Copious	Unimportant
83	Find the correctly spelt word.	4	Occured	Occurad	Ocurred	Occurred
84	Choose the correct alternative out of the four to fill the blanks. "He ..... since morning".	2	is playing	has been playing	has played	will be playing
85	A person who insists on something :-	2	Disciplinarian	Stickler	Boaster	Instantaneous

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86	the principle of basic structure in the constitution is laid down In which case ?	3	Golaknath vs State of Punjab	Minereva Mills vs Union of India	Keshvanand Bharti vs State of Kerala	Maneka Gandhi vs Union of India
87	Who was the first speaker of First Lok Sabha ?	2	Hukam Singh	G.V.Mavalankar	U.N.Debar	K.M.Munshi
88	Which of the following is a Presidency Court ?	2	Kerala High Court	Calcuta High Court	Delhi High Court	Gujarat High Court
89	International Women's Day is observed on :-	1	8th March	3rd March	26 february	14th November
90	Which of the following is NOT a petrochemical centre of India ?	4	Koyali	Jamnagar	Mangalore	Rourkela
91	DNA structure was discovered by :-	3	Karl Land Steiner	Gregor Mendel	Watson and Crick	Hargobind Khorana
92	Who is the father of CELLULAR PHONE ?	2	Fred Morrison	Martin Cooper	Linus Torvalds	Percy Lebaron Spencer
93	One of following who has been awarded "Nobel Peace Prize" and "Bharat Ratna " both.	4	J.C.Bose	Vishweshariya	Indra gandhi	Mother Teressa
94	Which one among the following rivers is the longest in the world ?	2	Amazon	Nile	Yangtze	Ganga
95	SANTOSH TROPHY is related to which sports ?	1	Football	Cricket	Hockey	Badminton
96	Who is the Governor of Madhya Pradesh ?	3	Jagdish Mukhi	Ramnaresh Yadav	Anandiben Patel	Om Prakash Kohli
97	How many is Lok Sabha Seat in Madhya Pradesh ?	1	29	41	11	31
98	Which State Government has launched the Smartphone distribution scheme, 'Mobile Tihar', Under the Sanchar Kranti Yojna ?	2	Madhya Pradesh	Chhattisgarh	Karnataka	Kerala
99	Google has launched a platform to enable Indian publishers of regional languages to publish their content online. The plateform is called :-	4	Swadesh	Kithab	Write India	Navlekha
100	The Supreme Court of India has recently declared that NOTA (None of the above) option will not be available in election for -	1	Rajya Sabha	Lok Sabha	Vidhan Sabha	None of these

  
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