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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
1	Hexadecimal numbers are a mixture of	binary and decimal numbers	letters and decimal digits	binary and octal numbers	octal and decimal numbers	В
2	Half a byte is called a	nibble	byte	word	bit	A
3	When a decimal number 12 is converted to a binary number, the number of binary digits needed is	3	4	5	6	В
4	The binary number 10101101 is equal to which hexadecimal number?	A9	9A	AD	DA	С
5	The output of a NOR gate is high if	all of its inputs are high	all of its inputs are low	one of its inputs is low	one of its inputs is high	В
6	An HTML element that is used to group the footer content in a table is	<tfoot></tfoot>	<tfooter></tfooter>		<tgroup></tgroup>	A
7	In JavaScript, the method toString() returns	String as a number	Alphanumeric pattern as a string	Number as a string	Exponential as a string	С
8	In JavaScript, if text is not found, methods lastIndexOf() and indexOf() returns	0	Error!	-1	Null	С
9	In Regular Expression pattern matching, the metacharacter \s finds a	Digit	White-Space Character	Start of a word	Unicode Special Character	В
	What does the following JavaScript segment display? <script> var text = "System Officer!"; alert(text.substr(-5,5)); </script>	Syste	Offic	icer!	ficer!	С
11	The typeof operator of JavaScript always returns a/an	Object	Function	String	Number	С
12	Inline CSS applies a unique style over	Single Element	Multiple Element	Whole Document	Half Document	A
13	The HTML tag <pre> is used to define a block of</pre>	Preformatted text	Preferred form text	Pre-linked text	Prepared text	A
14	What is displayed in the web page when the following html segment is used? <ol type="I"> Coffee Tea Milk 	1. Coffee 2. Tea 3. Milk	I. Coffee II. Tea III. Milk	i. Coffee ii. Tea Iii. Milk	o Coffee o Tea o Milk	В
15	Attribute minimization in XHTML is	Allowed	Forbidden	Convertible	None of these	В

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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
16	What is the output of the following C Program? #include <stdio.h> int main() { float f; f=10/3; printf("1 %f", f); }</stdio.h>	1 3.000000	1 3.33333	13	1 3.34	A
17	By default, any real number in C is treated as	a float	a double	a long double	Depends upon memory model that you are using	В
18	<pre>What error/ warning will the following C Program give? #include <stdio.h> int main() { f(int a, int b){ int a; a = 20; return a; } printf("%i",f(2,4)); }</stdio.h></pre>	warning: implicit declaration of function 'f'	error: 'a' redeclared as different kind of symbol	Program executes without error/warning	None of these	A
19	Which of the following C statements is syntactically correct?	for(){ }	for(;){ }	for(,){ }	for(;;){ }	D

Questions with Provisional Answers for the Elimination T	Test held on 28-11-2021 for Direct Recruitment to the post of SYSTEM OFFICER.
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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
20	<pre>What will be the output of the following C Program? #include <stdio.h> int main() { int i = 0; if(i=0) printf("i is zero"); else printf("i is not zero"); }</stdio.h></pre>	i is zero	i is not zero	compilation error	no output	В
21	Which of the following is required to communicate between two computers?	Communication Software	Protocol	Communication Hardware	All of these	D
22	In the following pairs of OSI protocol layer/sub-layer and its functionality, the incorrect pair is	Network Layer and Routing	Data Link Layer and bit synchronization	Transport Layer and end-to- end communication	Medium Access Control sub- layer and channel sharing	В
23	Which of the following protocol is used for remote terminal connection?	TELNET	FTP	RARP	UDP	A
24	The electrical state of the control leads in a serial interface is a concern of the	physical layer protocol	link layer protocol	network layer protocol	none of these	A
25	Which layer of the OSI model is responsible for creating and recognizing frame boundaries?	Physical Layer	Data Link Layer	Transport Layer	Network Layer	В
26	In terms of Computer Networks, Contention means	one or more conductors that serve as a common connection for a related group of devices.	a continuous frequency capable of being modulated or impressed with a second signal.	the condition when two or more stations attempt to use the same channel at the same time.	a collection of interconnected functional units that provides a data communication service among stations attached to the network.	С
27	The 32 bit internet address 10000000 00001010 00000010 00011110 will be written in dotted decimal notation as	128.10.2.30	128.8.2.30	128.10.2.32	128.10.2.28	A
28	Which backup procedure is the least time consuming?	Daily Full Backup ad Weekly Incremental Backup	Weekly Full Backup and Daily Incremental Backup	Daily Full backup and Weekly Differential Backup	Weekly Full Backup and Daily Differential Backup	В

Ouestions with Provisional Answers for the Elimination Test held on 28-11-2021 for Direct Recruitn	ment to the post of SYSTEM OFFICER.
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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
29	Which of the following protocols is NOT used to resolve one form of address to another?	DNS	DHCP	ARP	RARP	В
30	An Internet Service Provider(ISP) has the following chunk of CIDR-based IP addresses available with it: 245.248.128.0/20. The ISP wants to give half of this chunk of addresses to Organization A, and a quarter to Organization B, while retaining the remaining with itself. Which of the following is a valid allocation of addresses to A and B?	245.248.136.0/21 and 245.248.128.0/22	245.248.128.0/21 and 245.248.128.0/22	245.248.132.0/22 and 245.248.132.0/21	245.248.136.0/22 and 245.248.132.0/21	A
31	Which technique is preferable for transferring a large amount of data to and from a memory in a short time?	DMA	Interrupt-driven I/O	Programmed I/O	None of these	A
32	For a magnetic disk with concentric circular tracks, the seek latency is not linearly proportional to the seek distance due to	non-uniform distribution of requests	arm starting and stopping inertia	higher capacity of tracks on the periphery of the platter	use of unfair arm scheduling policies	В
33	Variable name in PHP starts with	!	\$	&	#	В
34	Which of the following starts with (double underscore) in PHP?	Inbuilt constants	User-defined constants	Magic constants	Default constants	С
35	Which of the following is used for concatenation in PHP?	+(plus)	*(asterisk)	&(ampersand)	.(dot)	D
36	What is the default value of max_execution_time directive in php.ini? This directive specifies the number of seconds a script can execute before being terminated.	10	20	30	40	С
37	What does PEAR in PHP stand for?	PHP Existing Application Repository	PHP Extension and Appending Repository	PHP Extension and Application Repository	PHP Encapsulating and Abstraction Repository	С
38	What is the ouput of the following PHP code? php echo "HELLO WORLD!"; define("GREETING", "GOOD MORNING!", true); echo greeting; ?	HELLO WORLD!GOOD MORNING!	HELLO WORLD!	HELLO WORLD!GREETING	ERROR	A

Questions with Provisional Answers for the Elimination Test held on 28-11-2021 for Direct Recruitment to the post of SYSTEM OFFICER.

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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
39	What is the output of the following Java code? public class MyClass { Test1 t1 = new Test1(10); MyClass(int i) { t1 = new Test1(i); } public static void main(String[] args){ MyClass t2 = new MyClass(5); } } class Test1{ Test1(int x){ System.out.println("Constructor called " + x); } }	Constructor called 10 Constructor called 5	Constructor called 5 Constructor called 10	Constructor called 15 Constructor called 10	Constructor called 10	A
40	What is the output of the following Java Code? public class HelloWorld{ public static void main(String []args){ Integer a = 128, b = 128; System.out.println(a == b); Integer c = 100, d = 100; System.out.println(c == d); }	false true	true false	true true	false false	A
41	Which of the following for loop declaration is not valid in Java?	for (int i = 99; i >= 0; i / 9)	for (int i = 7; i <= 77; i += 7)	for (int i = 20; i >= 2;i)	for (int i = 2; i <= 20; i = 2* i)	A
1 4/	In Java, which of the following options is false about the final keyword?	A final method cannot be overridden in its subclass	A final class cannot be extended	A final class cannot extend other classes	A final method can be inherited	С
	When an interrupt occurs, an operating system	ignores the interrupt	always changes state of interrupted process after processing the interrupt	always resumes execution of interrupted process after processing the interrupt	may change state of interrupted process to blocked and schedule another process	D
	An operating system contains 3 user processes each requiring 2 units of resource R. The minimum number of units of R such that no deadlocks will ever arise is	3	4	5	6	В

Questions with Provisional Answers for the Elimination T	Test held on 28-11-2021 for Direct Recruitment to the post of SYSTEM OFFICER.
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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
45	Round Robin scheduling is essentially the preemptive version of	First In First Out	Shortest Job First	Shortest Remaining Time First	Longest Time First	A
46	Consider a main memory with five page frames and the following sequence of page references: 3,8,2,3,9,1,6,3,8,9,3,6,3,2,1,3. How many page faults will occur if Least Recently Used page replacement policy is in place?	7	8	9	10	С
47	Consider the following relation Hostel(id, name, address, capacity). Which of the following options will be needed at the end of the SQL query: SELECT P1.name, P1.address FROM Hostel P1 Such that it always finds the names and addresses of theaters with maximum capacity?	WHERE P1.capacity >= ALL (SELECT P2.capacity FROM Hostel P2)	WHERE P1.capacity >= ANY (SELECT P2.capacity FROM Hostel P2)	WHERE P1.capacity >ALL (SELECT max(P2.capacity) FROM Hostel P2)	WHERE P1.capacity >ANY (SELECT max(P2.capacity) FROM Hostel P2)	A
48	Which normal form is considered adequate for normal relational database design?	2 NF	3 NF	4 NF	5 NF	В
49	In an Entity Relationship Diagram, ellipses represent	entity set	relation among entity set	attributes	link between attributes and entity set	С
50	An attribute of one table matching the primary key of another table is called	Foreign Key	Primary Key	Unique Key	Composite Key	A
51	Give synonym of : Hindsight	retrospect	devotion	lenient	communication	A
52	He turned a deaf ear to my request. What does the underlined phrasal verb mean?	ignored	appreciated	twisted	returned	A
53	Identify the correct spelling out of the given options	Managable	Manageable	Managaeble	Managible	В
54	Choose the statement where underlined word is used correctly	The minister <u>insured</u> the victims that everything would be all right.	He <u>ensured</u> that the company will not have to bear any loss.	The actor got himself ensured against any accident.	The teacher <u>insured</u> students of good results.	В
	Choose the grammatically INCORRECT sentence:	He is of Asian Origin.	They belonged to Africa	She is an European.	They migrated from India to Australia.	С
56	Find the error in the following sentence: Every man, woman and child in the house on fire have been saved.	Every man, woman	and child	in the house on fire	have been saved	D

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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
57	It is time that India and Pakistan buried the and became friends again.	dead	guns	hatchet	snowman	С
58	Choose the option that is most nearly similar in meaning to the word: Candid	experienced	anxious	sallow	outspoken	D
59	Choose the option that is opposite in meaning to the word: Eccentric	bizarre	wacky	aberrant	typical	D
60	The city meets in January.	consul	counsel	council	concert	С
61	Four branches of a company are located at M, N, O and P. M is North of N at a distance of 4km; P is South of O at a distance of 3km; N is South East of O by 5km. What is the approximate distance between M and P in km?	5.65	6.74	4.46	7.55	A
62	In which of the following options will the expression P <m be="" definitely="" td="" true?<=""><td>M<r>P>S</r></td><td>M>S<p<f< td=""><td>Q<m<f=p< td=""><td>P=A<r<m< td=""><td>D</td></r<m<></td></m<f=p<></td></p<f<></td></m>	M <r>P>S</r>	M>S <p<f< td=""><td>Q<m<f=p< td=""><td>P=A<r<m< td=""><td>D</td></r<m<></td></m<f=p<></td></p<f<>	Q <m<f=p< td=""><td>P=A<r<m< td=""><td>D</td></r<m<></td></m<f=p<>	P=A <r<m< td=""><td>D</td></r<m<>	D
63	Which number does not belong in the series? 2,5,10,17,26,37,50,64	17	37	64	26	С
64	Select the pair that best expresses a relationship similar to that expressed in the pair: Medicine:Health	Science:Experiment	Wealth:Peace	Education:Knowledge	Money:Happiness	С
65	Two concentric circle are drawn in a field. The radius of outer circle is b while the radius of inner circle is a. The space outside the inner circle and inside the outer circle is called annular space. n number of circles, adjacent to each other are painted in this annular space such that the diameter of these circles is equal to b-a. Which of the following options depicts the area in the annular space that would remain unpainted?	π[(b²-a²)-n/4(b-a)²]	π[(b²-a²)-n(b-a)²]	п[(b²-a²)+n/4(b-a)²]	$\pi[(b^2-a^2)+n(b-a)^2]$	A
66	The average weight of 3 men A, B, C is 84 kg. Another man D joins the group and the average now becomes 80 kg. If another man E whose weight is 3 kg more than that of D replaces A then the average weight of B, C, D and E becomes 79 kg. The weight of A is	70 kg	72 kg	75 kg	80 kg	С

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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
67	If 30% of a number is 12.6, then the number is	41	51	52	42	D
68	A man travels from A to B to buy goods which he can get 10% cheaper in B than A. If the expenses of the journey are Rs. 15 and he makes a clear saving of Rs. 10, what does he pay for the goods?	Rs. 230	Rs. 215	Rs. 200	Rs. 225	D
69	The angle between the two hands of a clock is 100 degrees when the hour hand is between 4 and 5. What time does the clock show?	4 hrs 30 mins.	4 hrs 40 mins.	4 hrs 45 mins.	None of these	В
70	A ladder 2.0 m long is placed in a street so as to reach a window 1.6 m high and on turning the ladder to the other side of a street, it reaches a point 1.2 m high. The width of the street is	2.8 m	2.4 m	2.0 m	1.6m	A
71	a few miles from modern Faizabad, near Lucknow, was the Capital of the Kosala and the Solar King of ancient India.	Amravati	Ayodhya	Mitthila	Daulatabad	В
72	in Karnataka is famous for its elaborately sculptured Cheena Kesava Temple of the Hoysala period.	Bhubaneswar	Kannauj	Belur	Madurai	С
73	Which of these places is associated with 'Mahatma Buddha'?	Macedonia	Kapilvastu	Rajghat	Porbandar	В
74	Battle of Haldighati was fought between	Alexander & Porus	Ashoka & King of Kalinga	Rana Pratap & Akbar	Ahmed Shah Abdali & Marathas	С
75	was known as Martin Luther of India.	Swami Vivekananda	Dayanand Saraswati	Lala Lajpat Rai	Subhash Chandra Bose	В
76	The study of universe is called	Cosmology	Astronomy	History	None of these	A
77	is a dense region of space which has the ability to swallow up everything, even light.	Supernova	Corona	Cromosphere	Black hole	D
78	is the largest ocean of the World.	Atlantic Ocean	Indian Ocean	Pacific Ocean	South Indian Ocean	С
79	became the first World Test Champion by winning the ICC World Test Championship 2021.	India	Australia	England	New Zealand	D
80	is one of the most beautiful and well-planned places in India which was designed by a French Architect Le Corbusier.	Chandigadh	Tripura	Gandhinagar	Shimla	A
81	Rajiv Gandhi International Airport is in	Mumbai	Delhi	Jaipur	Hyderabad	D

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Que. No.	Question	Option A	Option B	Option C	Option D	Provisio nal Answer
82	Dispur is the capital of	Arunachal Pradesh	Chhattisgarh	Assam	Jharkhand	С
83	is the study of heredity and variations.	History	Biology	Zoology	Genetics	D
84	is the smallest continent of world.	Asia	Antarctica	Australia	South America	С
85	has the highest melting point of approximately 3410 °C.	Iron	Tungsten	Lithium	Osmium	В
86	Former Union Minister and senior Rajasthan Congress Leader passed away at the age of 86 in January 2021.	Buta Singh	Motilal Vora	Oscar Fernandes	Tajdar Babar	A
87	Who is the present/current Indian Air Chief Marshall?	Air Chief Marshall Sunil Lanba	Air Chief Marshall RKS Bhadauria	Air Chief Marshall Vivek Ram Chaudhari	Air Chief Marshall Birender Singh Dhanoa	С
88	Who is the current Lieutenant Governor of the Union Territory of Ladakh?	Manoj Sinha	Radha Krishna Mathur	Prafull Patel	DK Joshi	В
89	A coffee table book titled "" was released on the eve of the 16 th Pravasi Bharatiya Divas in January 2021.	India 2030 : The Rise of a Rajasic Nation	The Commonwealth of Cricket: A Lifelong Love Affair with the Most Subtle and Sophisticated Game known to Humankind	Manohar Parrikar – Off the Record	Modi India Calling - 2021	D
90	has been named as the first-ever 'Kid of the Year' by the iconic TIME magazine in December 2020.	Gitanjali Rao	Angad Daryani	Akrit Jaswal	Priyanshi Somani	A
91	'અંશુ'નો અર્થ છે	આંગળી	કિરણ	ભાગ	દ્વેષીલું	В
92	મોર્ટ ભાગે વિશેષણની પહેલાં આવે છે.	વિશેષ્ય	ક્રિયાપદ	સર્વનામ	નામ	A
93	'સુમન' શબ્દનો આપેલ વિકલ્પોમાંથી યોગ્ય સમાનાર્થી શબ્દ શોધો.	સુવાસ	ડાખી	વસંત	કુસુમ	D
94	'ઠોચો' તળપદા શબ્દનું આપેલ વિકલ્પોમાંથી ચોગ્ય માન્ય રૂપ શોધો.	ભેંસ	ડોસો	পऽ	પાપ	С
95	'ઉંષા' શબ્દનો આપેલ વિકલ્પોમાંથી ચોગ્ય વિરોધી શબ્દ શોધો.	સંધ્યા	પ્રભાત	સવાર	સ્નેહાળ	A
96	'વલ્લભ' શબ્દનો આપેલ વિકલ્પોમાંથી યોગ્ય સમાનાર્થી શબ્દ શોધો.	પ્રીતમ	પ્રિયા	વધ	ભગવાન	A
97	આપેલ શબ્દસમૂહ માટે એક શબ્દ આપો -'રડવાની ઈચ્છા'	રુટુત્સા	મુમૂર્ષા	યુયુત્સા	રુરુદિષા	D
98	'બાપુ એટલે બાપુ' અલંકાર ઓળખાવો.	અનન્વય	વ્યાજસ્તુતિ	ઉપમા	રૂપક	A

Questions with Provisional Answers for the Elimination Test held on 28-11-2021 for Direct Recruitment to the post of SYSTEM OFFICER.								
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	If the High Court does not receive any online objection(s), it would be open for the High Court to treat the Provisional Answer Key as the Final Answer Key							
Que. No.	Uniestion	Option A	Option B	Option C	Option D	Provisio nal Answer		
	'ઓછું આવવું' - એટલે શું ?	ઓછા માણસો આવવા	ઝાઝી વસ્તુઓ ન લાવવી	છેતરવું	દુઃખ થવું	D		
100	'અગમ બુદ્ધિ' શબ્દનો આપેલ વિકલ્પોમાંથી યોગ્ય વિરોધી શબ્દ શોધો.	પચ્છમ બુદ્ધિ	અલ્પ બુદ્ધિ	તીવ્ર બુદ્ધિ	વિનાશ બુદ્ધિ	A		

High Court of Gujarat, Sola, Ahmedabad. Date: 03-12-2021

Sd/-Registrar (Recruitment & Finance)