1.	Consider the following three algorithms:
	(i) Bully algorithm Himexam.com
	(ii) Bus algorithm
	(iii) Ring algorithm
	Which of the following represents election algorithms in a distributed
	system?
	(A) Only (i) and (ii) (B) Only (ii) and (iii)
	(C) Only (i) and (iii) (D) (i), (ii) and (iii)
2.	The n-dimensional hypercube or n-cube is a highly concurrent
	multiprocessor architecture consisting of nodes such that each
	node is connected toneighbours.
	(A) $2^{n}$ , (n-1) (B) $2^{n-1}$ , (n-1)
	(C) $2^n, n$ (D) $2^{n-1}, n$
3.	A single control unit that dispatches the same Instruction to various
	processors is
	(A) SIMD (B) SPMD
	(C) MIMD (D) MISD
4.	permits many processes to run in parallel using shared
	resources without interfering with one another in a distributed system.
	(A) Replication Transparency (B) Concurrency Transparency
	(C) Scaling Transparency (D) Performance Transparency
5.	Communication is achieved in distributed system by
	(A) Disk Sharing (B) Shared memory location
	(C) File sharing (D) Message passing
6.	The distributed system is a collection of (P) and communication is achieved in distributed system by (Q), where (P) and (Q) are:

**HPPSC IT Specialist Question Paper Held On 29 February 2024** 

- (A) Loosely coupled hardware on tightly coupled software and disk sharing, respectively.
- (B) Tightly coupled hardware on loosely coupled software and shared memory, respectively.
- (C) Tightly coupled software on loosely coupled hardware and message passing, respectively.
- (D) Loosely coupled software on tightly coupled hardware and file sharing, respectively.
- 7. Inter process communication in distributed systems:

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- (A) allows processes to communicate and synchronize their actions using the same address space.
- (B) allows processes to communicate and synchronize their actions without using the same address space.
- (C) allows the processes to only synchronize their actions without communication.
- (D) allows processes to communicate without synchronizing their actions using the same address space.
- 8. In which of the following algorithm, the disk arm starts at one end of the disk and moves toward the other end, servicing requests till the other end of the disk. At the other end, the direction is reversed, and servicing continues.
  - (A) LOOK (B) C-LOOK
  - (C) SCAN (D) C-SCAN
- 9. Which of the following page replacement algorithm exhibits Belady's anomaly?
  - (A) Least recently used (B) First in First out
  - (C) Optimal page replacement (D) Most recently used
- 10. Which of the following is correct statement?
  - (A) CPU generates logical address while Memory management unit generates physical address.

		generates physical add	ress.		
	(C)	Both logical address	and physical ac	ldress are genera	ted by
		Memory management	unit.		
	(D)	Both logical address	and physical ac	ldress are genera	ted by
		CPU.		6	
		*		animulate the san	ne data
11.	A situa	tion where several proces	ses access and r	langulate the san	rticular
		rently and the outcome of	5 m (2	epends on the pa	rticular
	order in	n which access takes place		1	
	(A)	Starvation	(B)	Aging	
	(C)	Race condition	(D)	Data consistency	
	28 - 33 14 - 33 - 33 - 33 - 33 - 33 - 33 - 33 -	erating system follows rou	d robin schedul	ing with time qua	nta of 6
12.					
		ssuming that the CPU is fi			
		ready queue, the maximum	ım amount of t	ine that a proces	is waits
	•	getting into the CPU is:	(D)	100	
	(A)	186 ms	(B)	180 ms	
	(C)	174 ms	(D)	168 ms	
13.	If the	waiting time for a proce	ss is w and the	re are n processe	s in the
13.		ry then the CPU utilization		•	
	(A)	w/n	er British of		
	1000000	w <sup>n</sup>	a		
	(B)				
	(C)	n- w <sup>n</sup>			
	(D)	1- w <sup>n</sup>			
14.	Suppo	se that a fast wide SCSI-II	disk drive spins	s at 7200 RPM, ha	as sector
	size of	f 512 bytes, and holds 160	) sectors per trac	k. What is the s	ustained
	transfe	er rate of this drive?			
	(A)	2400 KB/s	(B)	4800 KB/s	
	(C)	9600 KB/s	(D)	10800 KB/s	
15.	In firs	st order logic, if a set	27 16		then
10.		tion will always be able to			шеп
			delive a contrad	iction.	

Memory management unit generates logical address while CPU

(B)

	(A)	Unsatisfiable	(B)	Satisfiable
	(C)	Conjunction of literals	(D)	Disjunction of literals
16.	Hebbian	learning is a form of:		
	(A)	Supervised learning	(B)	Unsupervised learning
	(C)	Reinforced learning	(D)	Stochastic learning
17.	In reinfo	orcement learning, rather the	han fin	ding a mapping from states to
	states, _	finds a map	ping fro	om state / action pairs to values.
	(A)	Value function	(B)	Value iteration
	(C)	Q-Learning	(D)	Reinforcement function
18.	Alpha-l	beta is guaranteed to comp	ite the	same value for the root node as
	comput	red by	with l	ess or equal computation.
	(A)	Breadth First Search	(B)	Minimax
	(C)	Depth First search	(D)	Least cost-effective search
19.	In Rank	-based selection scheme, where	hich of	the following is not correct?
	(A)	The % area to be occupied	d by an	individual <i>i</i> is given by $r_i / \sum_{i=1}^{n} r_i$ .
	<b>(B)</b>	Two or more individual	s with	the same fitness values should
		have the same rank.		
	(C)	Individuals are arranged	in a d	escending order of their fitness
		values.		
	(D)	The proportionate based	selectio	on scheme is followed based on
		the assigned rank.		
20.	In princ	cipal component analysis,	the pro	jected lower dimensional space
	correspo	onds to		
	(A)	Orthogonal vectors to the	origina	l co-ordinate axis
	(B)	Eigenvectors of the data of	ovariar	ace matrix
	(C)	Eigenvectors of the data d	listance	matrix
	(D)	Subset of the original co-	ordinate	eaxis

21.	A time	A time series prediction problem Is often solved using					
	(A)	Logistic regression	(B)	Sinusoidal regression			
	(C)	Auto regression	(D)	Quadratic regression			
22.	Which o	of the following is not true al	bout DBSCAN	N algorithm?			
	(A)	It is a density-based cluste	ring algorithn	1 🔨			
	(B)	It requires two parameters	MinPts and e	psilon			
	(C)	It can generate non-convex cluster shapes					
	(D)	Number of clusters need to	be specified	in advance			
23.	Which o	of the following is not true al	bout K-means	clustering algorithm?			
	(A)	The final cluster obtained centres	depends on the	ne choice of initial cluster			
	(B)	It is a partitional clustering	g algorithm				
	(C)	It can generate non-conver		es.			
	(D)	Number of clusters need to					
				- I when we absorve that:			
24.		ing in Multilayer neural netv					
	(A) >	- A.	error on boun	training set and test set			
	100	decreases					
	(B)		error on both	training set and test set			
		increases					
	(C)		error on train	ing set decreases but test			
		set increases		*			
	(D)		ror on trainin	g set decreases but test set			
		decreases					
25.	Distance	e between two clusters in Sir	ngle Linkage	Clustering is defined as:			
	(A)	Distance between the furth					
	(B)	Distance between the close					
	(C)	Distance between the centr	Himexam.	com			
	(D)	Distance between the centr	e of oravity of	f the two electors			
			- or gravity (	I HIE TWO CIUSTEIS			

26.	If the	e hyperplane w.x+ b =	=0 correc	ctly classifies all the training
	sampl	les $(\mathbf{x}_i, y_i)$ , where $y_i = \{-1$	, +1}, the	en:
	(A)	$\ \mathbf{w} - 1\  = 2$		
	(B)	$\mathbf{w}.\mathbf{x_i} + \mathbf{b} = 0$ for all i.		
	(C)	$y_i (w.x_i + b) >= 0$ for	all i.	
	(D)	$y_i (\mathbf{w}.\mathbf{x_i} + \mathbf{b}) \le 0$ for	all i.	
27.	The p	urpose of pruning a decision	on tree is:	
	(A)	Tree balancing		CO
	(B)	Improving classification	on accurac	y of training set
	(C)	Dimensionality reduct	ion	<b>1</b> .
	(D)	Improving generalizat	ion perfor	mance
••	O. W		1'	)
28.			aximum p	ossible number of candidate 3-
	itemse		"	
	(A)	8 (B) 17	(C)	56 (D) 255
29.	Cohen	-Sutherland algorithm is u	sed for:	
	(A)	Line clipping	(B)	Point clipping
	(C)	Fill-area clipping	(D)	Both line and Point clipping
30.	Transf	ormations required to alig	n View C	oordinate with World Coordinate
	are tra	nslation and	Tabine.	<u> </u>
	(A)	Rotation	(B)	Scaling
	(C)	Shearing	(D)	Shifting
31.	In	projection, the pr	rojectors c	onverge to a center of projection
	at finit	e distance.		
	(A)	Finite	(B)	Distant
	(C)	Parallel	(D)	Perspective
32.	Which	of the following is not a c	olor mode	al?
	(A)	RGB	(B)	CMY
	(C)	HSV	(D)	QLY
33	The pr	ocess of removing objects	that lie ou	itside view volume is called :

	(A)	Projection transformation	(B)	Clipping	
	(B)	Hidden surface detection	(D)	Hidden surface removal	
34.	Consider	r the following two stateme	nts:		
		ier curve allows the local co		ver the curve surface.	
		gons are used in Bezier and			
	920A-3A21-13 1 (923)	one of the following is corre			
	(A)	$S_1$ is true and $S_2$ is false	(B)	S <sub>1</sub> is false and S <sub>2</sub> is true	
	(C)	Both S <sub>1</sub> and S <sub>2</sub> are true	(D)	Both S <sub>1</sub> and S <sub>2</sub> are false	
35.	Which a	among the following is no	t a sul	ocategory of space partitioning	
	techniqu	ie?	11		
	(A)	Mesh representation	(B)	Octrees	
	(C)	BSP trees	(D)	Constructive solid geometry	
36.			e a mes	ssage in full before sending it on	
	to the next node, this is called-				
	(A)	Store and Forward Switchi	ing		
	(B)	Cut-through Switching			
	(C)	Store and deferred Forwar	rd Swit	ching	
	(D)	Cut-through and Deferred	Switch	ing	
37.	Signals th	nat run from 0 up to a maxin	num fre	equency are called-	
	(A)	Channel Band	(B)	Grade Band	
	(C)	Pass Band	(D)	Base Band	
38.	Which or	ne is NOT an example of Er	ror-cor	recting codes?	
	(A)	Hamming Code	(B)	Binary Convolution Codes	
	(C)	Reed-Solomon Codes	(D)	Nyquist Code	
39.	In Netwo	ork layer, a routing algorithm	n in wh	nich every incoming packet is set	
	out on ev	very outgoing line except the	one is	arrived on is called-	
	(A)	Flooding protocol	(B)	Distance Vector Protocol	
	(C)	Link State Protocol	(D)	Intermediate System Protocol	
		8			

40.	In the I	nternet, the inter-domain rou	iting pro	otocol is called-
	(A)	Interior Gateway Protoco	ol	
	(B)	Border Gateway Protoco	ı	
	(C)	Virtual Gateway Protocol	1	
	(D)	Channel Gateway Protoco	ol	
41.	In trans	port layer, an example of inv	erse-mı	ultiplexing is-
	(A)	Chained Buffer Protocol		01,
	(B)	End-to-End Argument Pr	rotocol	CO
	(C)	Stream Control Transmis	ssion Pro	otocol
	(D)	ARQ Protocol	~	(1,
42.	A type o	of network attack in which	an att	acker captures a valid network
	transmis	sion and then retransmit it la	ter, is k	nows as-
	(A)	DDoS Attack	(B)	Replay Attack
	(C)	Man in the Middle Attack	(D)	Bucket Brigade Attack
43.	In E-R		23.5	e name becomes essential for
				tion. Such relationship types are
	called-			r go j
	(A)	Recursive Relationship	(B)	Strong Relationship
	(C)	Weak Relationship	(D)	Cross Relationship
44.	0. (8)	al integrity constraint is use	-	, , , , , , , , , , , , , , , , , , ,
	(A)	Join two tables	u 10	*
	(B)	maintain constraint integr	rity	
	(C)	maintain entity integrity		
	(D)	maintain the consistency	among	tuples in the two relations
45.	Constrain	ts that can be specified and	entered	within the application programs
	that updat	te the database is called as-		
	(A)	DDL	(B)	Trigger
	(C)	· VDL	(D)	Retrievals

46.	A type of query "Retrieve the name of employees who work on all the projects that person 'X' works on" can efficiently be solved by-				
	(A)	Project Operation	(B)	Select Operation	
	(C)	Union Operation	(D)	Division Operation	
47.	A function	nal dependency state that for	r any tw	vo tuples t1 and t2 in relation R-	
	(A)	$t1[X] = t1[Y] \rightarrow t2[X] =$	t2[Y]	~	
	(B)	$t1[X] = t2[X] \rightarrow t1[Y] =$	t2[Y]		
	(C)	$t1[X] \neq t2[Y] \rightarrow t2[X] = t$	1[Y]	co.	
	(D) ·	$t1[X] \neq t2[X] \rightarrow t1[Y] =$	t2[Y]	~ 0	
48.				ccess the same database items	
	have their	operation interleaved in	a way	that makes the value of some	
	database it	tems incorrect is called-	U		
	(A)	Incorrect summary problem	n		
	(B)	Cross-referential problem			
	(C)	Lost-update problem	na i		
	(D)	Dirty-read Problem		5	
49.	In database	e recovery, deferred update	can be	implemented as-	
	(A)	UNDO   NO-REDO	(B)	UNDO  REDO	
	(C)	NO-UNDO/NO-REDO	(D)	NO-UNDO   REDO	
50.	Software (	Configuration Management	process	s is a part of-	
	(A)	Product Engineering Proc	ess		
	(B)	<b>Development Process</b>			
	(C)	Process Management Proc	ess		
	(D)	Process Improvement Proc	ess		
51.	Which stat	tement is TRUE for Prototy	ping SI	DLC model?	
	(A)	Exception handling is incl	luded in	the model.	
	(B)	Recovery concept is inclu	ded in t	he model.	
	(C)	Minimal documentation is	done fo	or this model.	

	(D)	Test case specification is r	equired	for prototyping.			
52.	The gener	eral effort estimation model is-					
	$E_i = a$	a * (KLOC) <sup>b</sup>					
	E <sub>i</sub> is initia	I effort in person-month, K	LOC is	measure of size.	The constants		
		are depend on:					
	(A)	Process Type	(B)	Project type	~		
	(C)	Attribute Type	(D)	Development Sc	hedule		
53.	Coinciden	ital cohesion occurs when-		C	$\mathbf{O}$		
	(A)	there is no meaningful r	elations	ship among the	elements of a		
		module		Ui.			
	(B)	there is some logical relation	onship	among the elemen	ts of a module		
	(C)	there is some temporal r	elations	ship among the	elements of a		
		module					
	(D)	there is some procedural	relation	ship among the	alaments of a		
	(-)	module	·	isinp among the	cientents of a		
54.	A mechan	ism that can be used to che	eck the	correctness of the	output of the		
		or the test case is known as-					
	(A)	uniqueness testing	(B)	test specification	1		
	(C)	test criteria	(D)	test oracle			
55.	Beta testin	ng is done-					
	(A)	within the organization					
	(B)	in the user's environment					
	(C)	during software inspection	1				
	(D)	during critical design revie	ew	96			
56.	Which of	the following UML diagram	has a s	static version?			
	(A)	Collaboration Diagram	(B)	Use case Diagra	m		
	(C)	State chart Diagram	(D)	Activity Diagram			
	(C)	State Chart Diagram	1-7	, 2g. w.			

57.	A web client sends request to a web server. Every retrievable piece of information on the web is identified by-			
	(A)	IP address	(B)	Port address
	(C)	URL	(D)	Server location
58.	In context	t of HTML5, what is DTD?		
	(A)	Data Type Definition	(B)	Document Type Definition
	(C)	Data Tree Definition	(D)	Document Tree Definition
59.	<a href="&lt;/th"><th>"example.com" target="_l</th><th>olank"&gt;</th><th>Text </th></a> . The target attribute	"example.com" target="_l	olank">	Text
	specifies	where to open the link.	By se	tting it to _blank, you tell the
	browser t	0-		(1)
	(A)	open it with read only mo	de	
	(B)	open it in mobile device	V	
	(C)	open it from root director	у	
	(D)	open it in a new tab		
60.	In Java S	cript, we use String.fromCha	arCode(	) as it is because-
	(A)	It is a dynamic method.		
	(B)	It is a static method		
	(C)	It uses String () construct	or	
	(D)	It helps to determine the	number	of characters
61.	In Java S	cript, which one is slowest le	oop?	
	(A)	while	(B)	DO
	(C)	For	(D)	For-in
62.	In AJEX,	the XHTMLRequest object	ct provi	des access to two methods that
	facilitate	connecting to web server.	These a	re:
	(A)	open() and send()	(B)	send() and receive()
	(C)	open() and close()	(D)	send() and close()
63.	On the se	rver side, you can use the D	OM and	d PHP in order to-
	(A)	Compose XML and JSON	N docum	nents

Create new JSON at client side (D) Google workspace is an example of-64. (A) Infrastructure as a Service (IAAS) 20M Platform as a Service (PASS) (B) (C) Function as a service (FAAS) (D) Software as a service (SAAS) 65. Grid computing-(A) is an approach to computer clustering typically connects some computer nodes via LAN network. (B) serve as a main data repository for an IT infrastructure (C) is a processor architecture that combines computer resources from different fields to achieve the main purpose. (D) create a layer of abstraction over computer hardware 66. Multi-tenancy in cloud computing-(A) allows the sharing of some computing resources by different subscribers without the subscribers being aware of it. facilitate frequently changing demand of resource for a long (B) number of users maintain pools of computing resources to support all users (C) computing need (D) provide basic metering function Consumer's control over cloud deployment is minimum in-67. Private cloud environment (A) Hybrid cloud environment (B) Public cloud environment (C) Community cloud environment (D) In Service Oriented Architecture, middleware maintains list of available 68. services-

Manipulate the HTML page

Create new XML at client side

(B)

(C)

	(A)	in the form of	of object	ets	(B)	in the form of metadata
	(C)	in the form of	of regis	stry	(D)	in the form of tables
69.	A hosted hy	pervisor-				
	(A)	does not have	e direct	access to the	hardwa	re resources
	(B)	have direct a	access t	to hardware re	sources	
	(C)	can bypass th	ne host	os		~
	(D)	provide full	suppor	t to real time (	OS.	$O_{I}$ ,
70.	In Mandata	ry Access Cor	ntrol (M	IAC), access p	olicies	are controlled by -
(A) a central authority						
	(B)	by the owne	r of the	object		
	(C)	by user's rol	e	(V)		
	(D)	by user's pri	vileges	Part I pro		
71.	Which of the	following lak	e of H	imachal Prade	sh is no	t matched correctly with
*	its district?		May 1			
	(A)	Kareri	100	Kangra		
	(B)	Nako	- 1	Lahaul & Spi	ti	
	(C)	Suraj Tal	-	Lahaul & Sp	iti	
	(D)	Kalasar	-	Mandi		
72.	Which of the	following pla	ce of H	limachal Prade	esh is m	natched correctly with its
	district?	1 - 3 A 150	1000			200
	(A)	Darcha	_	Kullu		
	(B)	Chari	-	Una		
	(C)	Devi Kothi	-	Shimla		
	(D)	Lippa	-	Kinnaur		
73.	Identify from	among follov	ving ar	eas, the correc	t Sub-F	Humid tropical Zone, of
	Himachal Pr					Second   1944   1945   1955   1954   1955
	(A)	Parts of Ma	ndi dis	strict & Naha	an area	of Sirmaur district
	(B)	Shimla and	ımex	am.com		

	(C)	Paonta Sahib area of district Sirmaur, Indora area of Kangra district etc.
	(D)	Dharamshala and Palampur areas of Kangra district.
74.		Praino type of marriage of the Khasa tribe of Himachal Pradesh is:
	(A)	Marriage arranged by parents
	(B)	Love Marriage
	(C)	Forcible marriage against brides wishes
	(D)	Swayambara type of marriage
75.		Mukhya Mantri Shodh Protsahan Yojana of Himachal Pradesh provides
	mont	thly fellowships to those researchers of Government Universities, who do
	not g	get any financial assistance. Which of the following amount is correct?
	(A)	Rs. 3000 per month (B) Rs. 5000 per month
	(C)	Rs. 7000 per month (D) Rs. 6000 per month
76.		tify from among the following, the correct overall ranking of Himachal
	Prade	esh out of States / Union Territories etc. under Himalayan States category
	of Ex	xport Preparedness Index-2021?
	(A)	$13^{th}$ (B) $20^{th}$
	(C)	18 <sup>th</sup> (D) 15 <sup>th</sup>
77.	Whic	ch of the following Public Sector Banks had the largest number of
	branc	ches in Himachal Pradesh as of September, 2022?
	(A)	State Bank of India (B) Punjab National Bank
	(C)	UCO Bank (D) Central Bank of India
78.	Whic	ch of the following is correct in Himachal Pradesh:
	(A)	The Milk Production is expected to double in 2022-23 over 2021-22.
	(B)	The production of eggs in 2022-23 was below 2021-22.
	(C)	The Uttam Pashu Puraskar Yojana provides a Rs. 2500 reward per
		beneficiary per animal
	(D)	Fish production has a compounded Annual Growth Rate of 12 percent.

79.	Which of the following is the correct percentage of Votes, the Congress got in							
	the State Assembly Election of Himachal Pradesh in 2022?							
	(A)	About 44 perc	ent		(B)	About 50 pe	rcent	
•	(C)	About 51 perc	ent		(D)	About 54 pe	rcent	
80.	The l	European Comm	nission has	s granted	the pr	otected Geog	raphica	l Indication
	Statu	us to Himachal Pradesh's product of:						
	(A)	Kinnaur Gold	en Apples		(B)	Kotgarh Ap	ples	1,
	(C)	Stone fruits o	f Rajgarh		(D)	Kangra Tea	"	
81.	Whic	ch of the followi	ing is corre	ect about	the Ba	ijnath Temple	in Kar	igra District
	of H	f Himachal Pradesh?						
	(A)	It was built in					*	
	(B)	It is a Nagar	a style ter	mple and	was	built by two	local 1	merchants /
		brothers.	0	1				
	(C)	It was built by	y Raja Gul	ab Singh	of Kas	shmir.		
	(D)	The shrine is	built in Ve	ssara styl	e.			
82.	The N	Mahila Vikas Ni	gam was s	et up in I	limach	al Pradesh in	:	
	(A)	1989	(B) 198	5	(C)	1993	(D)	1987
83.	Ident	ify the correct st	tatement fr	om the fo	ollowin	g in Himacha	l Prade:	sh?
	(A) There are only five fine-Arts colleges in the State							
	(B) Dr. Ambedkar Medhavi Chhatravriti Yojana scholarships are given to							
	Scheduled Castes, Scheduled Tribes and OBC meritorious students of							
	Himachal Pradesh.							
•3	(C)	Upto 2022, 14	130 Schedu	uled Cast	e stude	ents have been	n benef	fitted under
		Dr. Ambedka	r Yojana					
	(D)	1359 OBC stu	dents have	been be	nefitte	d under Dr. A	Ambedl	kar Yojana
		upto 2022.						•
84.	Whic	h among the fol	lowing Shi	imla Hill	States	was the larges	st State	?
	(A)	Koti			<b>(B)</b>	Bhajji		
	(C)	Theog			(D)	Kumarsain		

85.	Cons	nsider the following about the district Chamba of Himachal Pradesh:				
	(i)	Sahil Varman, the King of Chamba shifted his capital from Brahmapura				
	(Bharmaur) to Chamba					
	(ii)	The historical portion of	eal portion of Chamba Vamshavali begins with the name of			
		King Mushan Varman	ushan Varman			
	(iii)	84 - Yogis are stated to have visited King Meru Varman at Chamba				
	(iv)	1:- 1006				
	Choo	se the correct answer from the following:				
	(A)	(i) & (iii)		(B)	(i) & (iv)	
	(C)	(i) & (ii)		(D)	(ii) & (iii)	
86. Consider the following about India:						
	(i) It has 28 States and 08 Union Territories					
	(ii)	The Eastern and Western	n Ghat	s mee	t at the Southern point of the	
	plateau, formed by the Nilgiri hills					
	(iii)	The Deccan rivers are pere				
	(iv) The Bhagirathi and Alaknanda rivers meet at Rudra Prayag to form					
	the Ganga in Uttarakhand					
	Choos	noose the correct answer from the following:				
	(A)	(i) & (ii)		(B)	(ii) & (iii)	
	(C)	(iii) & (iv)	e ito	(D)	(iv) & (i)	
0.77	mı (	3 11 - Lucya Cabayata Va	ah hac	haan	set up by the Government of	
87.		The Sukh-ashraya Sahayata Kosh has been set up by the Government of				
	Himachal Pradesh by keeping a sum of Rupees					
	(A)	121 Crore		(B)	111 Crore	
	(C)	101 Crore		(D)	151 Crore	
88.	Which	n of the following district of	f Hima	chal Pr	radesh has the highest density of	
	popula	population as per 2011 census?				
	(A)	Bilaspur	(B)	Hami	rpur	
	(C)	Kangra	(D)	Solan		
	(0)	Kaligia	17			

89.	Which of the following is correct about the Mizoram State Assembly Election,				
	held in November, 2023?				
	(A)	Congress won 02 seats			
	(B)	BJP won 01 seat			
	(C)	M.N.F won 12 seats			
	(D)	Zoram People's Movement won	27 seat	s	
90.		entify from the following, the names of the countries, whose athletes won the Himexam.com and silver medals in Javelin Throw, in the Asian Games 2023.			
	(A)	Both from India	(B)	India & China	
	(C)	India & South Korea	(D)	India & Vietnam	
91.	Which of the following three districts of Himachal Pradesh have the large			nachal Pradesh have the largest	
		per of MLA seats?	1		
	(A)	Shimla, Hamirpur and Kangra		* *	
	(B)	Kangra, Mandi and Una			
	(C)	Kangra, Shimla and Sirmour			
	(D)	Kangra, Mandi and Shimla			
92.	The forest and tree cover of Assam covers its total geographical area:				
74.	(A)	50.00 percent	(B)	37.33 percent	
		45.00 percent	(D)	53.40 percent	
	(C)	45.00 percent	(D)	55.40 percent	
93.	Whic	ch of the following Amendment of	Indian	Constitution has introduced ten	
	per cent reservation for Economically Weaker Sections in Central Government				
	jobs and admission in Central Government run and private educationa institutions?				
	(A)	106 <sup>th</sup> Amendment Act, 2020.	(B)	105 <sup>th</sup> Amendment Act, 2020.	
	(C)	101st Amendment Act, 2018.	(D)	103 <sup>rd</sup> Amendment Act, 2019.	
				•	
94.	The s	share of European Union in World	Popula	tion in 2022 was:	
	(A)	8.00 percent	(B)	11.10 percent	
	(C)	9.78 percent	(D)	7.30 percent	

95.		D.P. Sood Commission was appachal Pradesh:	ointed	in 2011 by the Government of
	(A)	To look / enquire into the issu	es relat	ing to benami land deals in the
		State from 2003 to 2011.		
	(B)	To suggest ways and means to s	strength	en the transport facilities in hilly
		areas.		
	(C)	To report on the irregularities in	Pancha	yat System from 2002 to 2010.
	(D)	To look into electricity facilities	in urba	n and rural areas.
96.	Ident	ify from the following, the co	rrect a	nswer of Noble Prize-2023 in
		nistry:		
	(A)	It was awarded to two scientists	jointly	<b>1</b> .
	(B)	All its recipients are the scientist	ts of US	SA and Japan.
	(C)	This award is given for discover	y and s	ynthesis of quantum dots.
	(D)	It is awarded for the developmen	t of a n	nethod for genomediting.
97.	The o	owners of which of the following	cricket	team picked up Renuka Thakur
	of Himachal Pradesh for the Women Premier League, 2023?			League, 2023 ?
	(A)	Delhi Capitals (B)	Roya	l Challengers, Bangalore.
	(C)	Mumbai Indians (D)	Guja	rat Giants
98.	Whic	h of the following is not a member	r of the	ASEAN?
	(A)	Brunei	(B)	Myanmar
	(C)	Laos	(D)	Sri Lanka
99.	Whic	h of the following pair of three co	untries	topped in the Renewable Energy
		try Attractiveness Index- 2022?		
	(A)	USA, China and India		
	(B)	USA, Canada and Australia		
	(C)	New Zealand, Germany and Si	ngapor	e .
	(D)	Australia, USA and Germany		* *
100.	Identi	fy from the following State Ass	semblie	s of USA, which has passed a
- 3	Resolution condemning the Hinduphobia:			
	(A)	Seatle	(B)	Washington DC
	(C)	California	(D)	Georgia

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