## ENTRANCE EXAMINATION FOR ADMISSION, MAY 2013. M.Tech. (NETWORK AND INTERNET ENGINEERING) COURSE CODE: 394

Register Number :		.*		
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			<del>-</del>	Signature of the Invigilator (with date)

**COURSE CODE: 394** 

Time: 2 Hours

Max: 400 Marks

## Instructions to Candidates:

- 1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
- 2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
- 3. Read each question carefully and shade the relevant answer (A) or (B) or (C) or (D) or (E) in the relevant box of the ANSWER SHEET using HB pencil.
- 4. Avoid blind guessing. A wrong answer will fetch you −1 mark and the correct answer will fetch 4 marks.
- 5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
- 6. Do not open the question paper until the start signal is given.
- 7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
- 8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
- 9. Use of Calculators, Tables, etc. are prohibited.

1.	The	state of the process during context-swi	itchin	g is
ı	(A)	May be busy	(B)	May be idle
	(C)	Always busy	(D)	Always idle
٠.	(E)	None of the above.	•	
2.	Whi	ch of the following is an advantage of i	nterru	upt-driven I/O over programmed I/O?
	(A)	Faster completion of I/O	(B)	Higher bandwidth availability
	(C)	Better CPU utilization	(D)	Faster I/O communication
	(E)	None of the above.	•	
3.	The	threads may share all of the following	excep	t
	(A)	Address space	(B)	Open files
	(C)	Signals	(D)	All of the above
	(E)	None of the above.		
4.		ability of an operating system to suppole task or process is	ort mı	ultiple light weight processes within a
	(A)	On-line processing	(B)	Multiprocessing
	(C)	Multithreading	(D)	Multiprogramming
	(E)	None of the above.		
5.		ch of the following memory managem tiprogramming?	ent te	chniques may restricts the degree o
	(A)	MVT	(B)	Paging
	(C)	Segmentation	(D)	All of the above
	(E)	None of the above.		
6.	A _	is the buffer that holds output ept interleaved data streams.	for a	device such as printer, that canno
	( <b>A</b> )	Spool	(B)	Directory
	(C)	Buffer	(D)	Queue
	<b>(E)</b>	None of the above.		
7.	Wh	ich of the following is the process by w	hich a	user's privileges ascertained?
	(A)	Authorization	(B)	Authentication
•	(C)	Access Control	(D)	All of the above
	<b>(E)</b>	None of the above.		

8.		When the priority queue is represented by max heap, the insertion and deletion of an element can be performed in (queue containing $n$ elements)					
	(A)	O(n) and O(1) respectively	(B)	O(n) and O(n) respectively			
	(C)	O(1) and $O(1)$ respectively	(D)	O(1) and O(n) respectively			
	(E)	None of the above.					
9.	Proc	ess control blocks are read and/or	modified b	у			
	(A)	Scheduling module	(B)	Resource allocation module			
	(C)	Every module in the OS	(D)	All of the above			
	(E)	None of the above.					
10.	Whi	ch of the following is false?					
	(A) For deadlock minimum two processes required						
	·(B)	Minimum condition for deadlock	is no pre-e	emption			
	(C)	(C) Deadlock prevention is dissatisfaction of one or more necessary condition for deadlock					
	(D)	All of the above					
	(E)	None of the above.					
11.	Which of the following switching techniques is most suitable for interactive traffic?						
	(A)	Circuit switching	(B)	Message switching			
	(C)	Packet switching	(D)	All of the above			
	(E)	None of the above.					
12.	In what protocol, it is possible for the sender to receiver an ACK for a packet that falls outside of its current window?						
	(A)	Selective repeat	(B)	Go back N			
	(C)	Stop & wait	(D)	All of the above			
	(E)	None of the above.					
13.	A to	ken ring is operated in mo	de.				
	(A)	Transmit mode	(B)	Listen mode			
	(C)	By pass mode	(D)	All of the above			
	(E)	None of the above.					
14.	Wha	at flag is used to take care of "out o	f band" da	ita, in TCP header?			
	(A)	RST	(B)	SYN			
	(C)	URG	(D)	OUT			
	(E)	None of the above.					

15.	Slid	ing window protocol is used by		•
	(A)	Connection less protocols	(B)	Connection oriented protocols
	(C)	Datagram oriented circuits	( <b>D</b> )	All of the above
	<b>(E)</b>	None of the above.		
16.	Whi	ch of the following schemes are used to	ensu	re transaction atomicity?
	(A)	Differed database log modification	(B)	Shadow paging
	(C)	Immediate database log modification	( <b>D</b> )	
	(E)	None of the above.		
17.	Wh	ich of the following is a correct stateme	nt?	
	(A)	Every subordinate entity is a week en		
	<b>(B)</b>	Every weak entity is a subordinate en	-	•
	(C)	Relations produced from an ER model	_	always be in BCNF
	(D)	All of the above	•	
	<b>(E)</b>	None of the above.		
18.	The	collection of information stored in data	base (	of a particular moment is
	(A)	View	<b>(B)</b>	Schema
	(C)	Instance	(D)	Sub schema
	(E)	None of the above.		
19.	The	tables generated on compilation of data	a defi	nition language are stored in
	(A)	Data abstraction	(B)	Meta data
	(C)	Data dictionary	(D)	All of the above
	(E)	None of the above.		
20.	"M-	Commerce" refers to		. •
	(A)	A myth which does not exist in reality	7	
	( <b>B</b> )	The ability of business to reach poten		ıstomers wherever they are
٠	(C)			memory storage dealing trade and
	(D)	All of the above	•	
	(E)	None of the above.		
21.	Whi	ch of the following uses overflow pages	· ?	
	(A)	B tress	(B)	B+ trees
	(C)	ISAM trees	(D)	All of the above
•	(E)	None of the above.		

22.	Consider a transaction has executed with isolation level 'Repeatable Read'. Which of the following problem may arise?				
	(A)	Lost update problem	(B)	Uncommitted read problem	
	(C)	Phantom phenomenon problem	(D)	All of the above	
	(E)	None of the above.			
23.	Whi	ch of the following is a false statem	ent?		
	(A)	Wound-wait protocol prevents sta	rvation		
	<b>(B)</b>	Timer out can be used for deadloc	k recover	<b>y</b>	
	(C)	Thomas write rule allows all view	serializa	ble schedules	
	(D)	All of the above		•	
	<b>(E)</b>	None of the above.	`	•	
24.	A re	elation R is in 3NF but not in BCNF	. Which o	f the following is a false statement?	
	(A)	The relation R will have insertion	anomaly		
-	(B) The relation R may have deletion anomaly				
	(C) The relation R will not have data redundancy				
	(D)	All of the above			
	(E)	None of the above.			
25.	Wha	at is the order of each of the followin	ng tasks r	espectively?	
		(i) Inserting a single item into a binary search tree containing $n$ items, in the average case			
		(ii) performing a Towers of Han	noi algori	thm with $n$ disks	
	(A)	$O(2^n) \& O(Log_2n)$	(B)	$O(\text{Log } n_2) \& O(2^n)$	
	(C)	$O(n^2) \& O(n^2)$	(D)	$O(2n) \& O(n^2)$	
	(E)	None of the above.			
26.	In C	C++, Dynamic binding is used in			
	(A)	Only private methods	( <b>B</b> )	Only public methods	
	(C)	Only virtual methods	( <b>D</b> )	All of the above	
	(E)	None of the above.			
27.		at is the default copy semantics for efined?	objects of	a class for which no copy constructor	
	(A)	Member-wise memory copy	(B)	Deep copy	
	(C)	Undefined	(D)	All of the above	
	<b>(E)</b>	None of the above.			

28.	28. Which of the following is true in the context of comparing Breadth First Search (land Depth First Search (DFS) of a graph?			omparing Breadth First Search (BFS)			
	(A)	BFS generates the minimum spanning	ıg tree	•			
	(B)	BFS uses less space compared to DFS					
(C) BFS finds the shortest path from start node to any give node							
	(D)	All of the above					
	(E)	None of the above.					
29.	The time	time complexity of creating a heap o	f 'n' e	lements by adding one element at a			
	(A)	O(n)	(B)	O(log n)			
	(C)	O(n log n)	(D)	All of the above			
	<b>(E)</b>	None of the above.					
30.	The	terminal nodes of a binary tree occur i	n the	same relative position in			
	(A)	Preorder, inorder	<b>(B)</b>	Inorder, postorder			
	(C)	Preorder, postorder	(D)	All of the above			
	(E)	None of the above.					
31.	In a	uick sort algorithm, if the pivot is the l		t alamont than it becomes			
51.	(A)	Insertion sort	(B)	Bubble sort			
	(A) (C)	Selection sort	(D)				
	(E)	None of the above.	( <b>D</b> )	Heap sort			
	(21)	None of the above.					
32.		many true inclusion relations are the sets of a set $S$ with $n$ elements?	ere of	the form $A \subseteq B$ , where A and B are			
	(A)	2 <sup>n</sup> +1	(B)	$2^{n} + 3$			
	(C)	$2^{2n} + 1$	(D)	All of the above			
	(E)	None of the above.					
33.	A n-	vertex complete graph will have how n	any s	manning trees?			
•••	(A)	$\mathbf{n}^{\mathbf{n-1}}$	(B)	n <sup>n-2</sup>			
	(C)	$n^{n-3}$	(D)	All of the above			
	(E)	None of the above.	(-)				
34.		following items are inserted into bina deepest?	ry sea	rch trees 3,6,5,2,4,7,1. Which node is			
	(A)	1	(B)	3			
	(C)	<b>4</b>	(D)	2			
	(E)	None of the above.		•			

35.	Whi	Which algorithm is used to compute minimum spanning tree?					
	(A)	Boruvka's Algorithm	(B)	Reverse-Delete Algorithm			
	(C)	Kruskal's Algorithm	(D)	All of the above			
	(E)	None of the above.					
36.	FOF	RTRAN and C are					
	(A)	Regular languages	(B)	Context free languages			
	(C)	Context sensitive languages	(D)	Not having grammar			
	(E)	None of the above.					
37.	It is un-decidable whether						
	(A)	(A) A Turing Machine prints a specific letter					
	(B)	A Turing Machine can compute the	product	t of two numbers			
	(C)	(C) A Turing Machine can compute the primes					
	(D)	All of the above					
	(E)	None of the above.					
38.	The language accepted by a push down automata where the stack is limited to 1000 states is best described as						
	(A)	Context free	(B)	Regular			
	(C)	Deterministic context free	(D)	All of the above			
	(E)	None of the above.	-				
39.		a finite automata of $n$ states the sidered to distinguish two states is	maxim	um length of strings that must be			
	(A)	n ·	(B)	n-1			
	(C)	n-2	(D)	All of the above			
	(E)	None of the above.					
40.	The	intersection of a CFL and a regular l	anguag	e is			
	(A)	Need not be regular	(B)	Need not be context free			
	(C)	Is always regular	(D)	All of the above			
•	(E)	None of the above.					
41.	The	class of NP languages are not closed	under				
	(A)	Union	(B)	Concatenation			
	(C)	Complementation	(D)	All of the above			
	(E)	None of the above		•			

49.		omputer has 4 K word cache with 4- aber of set and word field bits are	way se	t associative with 64 words/block the
	(A)	15, 4	(B)	4, 6
	(C)	4, 12	(D)	4, 4
	(E)	None of the above.		
50.	RAI	D configuration of disks are used to p	rovide	
	(A)	Fault – Tolerance	(B)	High speed
	(C)	High data density	(D)	All of the above
	<b>(E)</b>	None of the above.		
51.		ne Processor has 16 address lines and pcodes the processor handles?	12 data	a lines, what is the maximum number
	(A)	28	(B)	216
	(C)	212	(D)	All of the above
	<b>(E)</b>	None of the above.		
<b>52</b> .	A sv is a	_	sing a s	ingle D flip flop. The resulting circuit
	( <b>A</b> )	JK-FF	(B)	D-FF
	(C)	T-FF	(D)	All of the above
	(E)	None of the above.		
53.	Flip	– Flop is a		
	(A)	Multistable Multivibrator	(B)	Monostable multivibrator
	(C)	Bistable multivibrator	(D)	All of the above
	(E)	None of the above.		
<b>54</b> .		minimum number of NAND gates a AB' + AB'C is equal to	require	d to implement the Boolean function
	(A)	1	(B)	4
,	(C)	7	( <b>D</b> )	All of the above
	<b>(E)</b>	None of the above.		,
55.		a sequence detector, the minimum sence are	numb	er of states required to detect n-bit
	(A)	2n	(B)	n-1
	(C)	<b>n</b>	(D)	All of the above
	(E)	None of the above.		

<b>42</b> .	Let L denote the language generated by the grammar $S \to 0S0     00$ . Which of the following is true?				
	(A)	L is not regular	(B)	L is context free but not regular	
	( <b>C</b> )	L is not context free	(D)	All of the above	
	(E)	None of the above.			
43.	Тор	down parsing techniques			
	(A)	Simulate a leftmost derivation			
	<b>(B)</b>	Simulate the reverse of a rightmost d	lerivat	zion	
	(C)	Simulate a rightmost derivation			
	(D)	All of the above			
	(E)	None of the above.			
44.	Eve	ry LR(0) grammar is			
	(A)	An LR(1) grammar	(B)	Sometimes not a LR(1) grammar	
	(C)	Sometimes a LR(1) grammar	<b>(D)</b>	All of the above	
	(E)	None of the above.			
<b>45</b> .	In tl	he grammar	•		
		$\mathbf{E} \rightarrow \mathbf{E} + \mathbf{T}     \mathbf{T}$			
		$T \rightarrow i$			
	(A)	+ is left associative	(B)	+ is right associative	
•	(C)	Can't be decided	(D)	All of the above	
	(E)	None of the above.			
46.	How	many half adders are requiring const	ructin	g n-bit parallel adder?	
	(A)	2 * n	<b>(B)</b>	2 * n+1	
	(C)	2 * n -1	(D)	All of the above	
	(E)	None of the above.		•	
<b>47</b> .	Whi	ch of the following logic family is faste	st?		
	(A)	ECL	(B)	TTL	
٠	(C)	DTL	(D)	All of the above	
	<b>(E)</b>	None of the above.			
48.	Rela	ative base addressing is relevant for w	riting		
	(A)	Co-routines	( <b>B</b> )	Position – independent routines	
	,( <b>C</b> )	Interrupt handlers	(D)	All of the above	
	( <b>E</b> )	None of the above.			

49.		omputer has 4 K word cache with aber of set and word field bits are	4-way set	associative with 64 words/block the
	(A)	15, 4	(B)	4, 6
	(C)	4, 12	(D)	4, 4
	(E)	None of the above.		
50.	RAI	D configuration of disks are used to	provide	
	(A)	Fault – Tolerance	(B)	High speed
	(C)	High data density	(D)	All of the above
	<b>(E)</b>	None of the above.		
51.		ne Processor has 16 address lines as pecodes the processor handles?	nd 12 data	lines, what is the maximum number
	(A)	28	(B)	216
	(C)	212	(D)	All of the above
	(E)	None of the above.		
<b>52</b> .	A sv is a	<del>-</del>	using a si	ingle D flip flop. The resulting circuit
	(A)	JK-FF	(B)	D-FF
	(C)	T-FF	(D)	All of the above
	<b>(E)</b>	None of the above.		
53.	Flip	- Flop is a		• •
	(A)	Multistable Multivibrator	(B)	Monostable multivibrator
	(C)	Bistable multivibrator	(D)	All of the above
	(E)	None of the above.		
54.		minimum number of NAND gate AB' + AB'C is equal to	s required	d to implement the Boolean function
	(A)	1	(B)	4
	(C)	7	(D)	All of the above
	<b>(E)</b>	None of the above.		
55.		a sequence detector, the minimu	ım numbe	er of states required to detect n-bit
	(A)	2n	(B)	n-1
	(C)	<b>n</b> 15	(D)	All of the above
		None of the above.		

56.	The post order traversal of a binary tree		<del>-</del>
	(A) ABFCDE	(B)	ADBFEC
	(C) ABDECF	(D)	ABDCEF
	(E) None of the above.		
57.	Consider a disk drive that has a capacity bytes). If that drive has 5 platters (ass per surface, and an average of 200 secsector?	ume tha	t both sides are used), 10,000 tracks
	(A) 800 bytes per sector	(B)	400 bytes per sector
	(C) 200 bytes per sector	(D)	100 bytes per sector
	(E) None of the above.		
58.	If $\lambda$ is an Eigen value of an orthogonal m	natrix th	en its other Eigen value is
	(A) 1/λ	(B)	–λ
	(C) $\lambda^2$	(D)	All of the above
	(E) None of the above	. ,	
59.	If R and S are transitive relations then v	which of	the following is false?
	(A) $R \cap S$ is transitive	(B)	$R \cup S$ is transitive
	(C) $R \cap S$ is symmetric	(D)	
	(E) None of the above.	(2)	10 0 5 to Symmotic
60.	Let $S = \{(1,2), (2,1)\}$ is a binary relation ordered pairs that are to be added to $S$ to $A$		
	(C) 3	(D)	All of the above
	(E) None of the above.		
61.	How many substrings can be formed from	m a chai	cacter string of length 'n'?
	(A) 2 <sup>n</sup>	(B)	(n(n+1))/2
	(C) n <sup>2</sup>	( <b>D</b> )	All of the above
	(E) None of the above.		
62.	The chromatic number of a star graph w	rith 'n' vo	ertices is
	(A) 2	(B)	n-1
	(C) 4	(D)	All of the above
	(E) None of the above.		

63.	If a	set A has 3 elements then the number	of ele	ments in the power set of $A \times A$ is
	(A)	128	( <b>B</b> )	256
	(C)	512	(D)	All of the above
	(E)	None of the above.		
64.		random variable $X$ has a uniform of ance is	listrib	oution in the interval (4,7), then its
	(A)	1/4	(B)	1/2
	(C)	3/4	(D)	All of the above
	(E)	None of the above.		
65.	Con 32 (A)	sider a logical address space of 8 pag frames. How many bits are 9 bits		1024 words mapped with memory of ere in the physical address?  11 bits
	(C)	13 bits	(D)	15 bits
	(E)	None of the above.		
66.		DEMS and other equipments used to	send	serial data over long distances are
	(A)	DTE	( <b>B</b> )	DCE
	(C)	Data set	(D)	All of the above
	(E)	None of the above.		
67.	The	voltage range used in RS232 interface	for 1	level is
	(A)	-3 V to 15 V	(B)	-5 V to 15 V
	(C)	+5 V to 15 V	(D)	All of the above
	(E)	None of the above.		
68.	Whi	ch memory is difficult to interface with	n proc	essor?
	(A)	Static memory .	(B)	Dynamic memory
	(C)	ROM	(D)	All of the above
	(E)	None of the above.		
69.	If an	n integer needs two bytes of storage, th	en th	e maximum value of unsigned integer
	(A)	$2^{16}-1$	(B)	$2^{15}-1$
	(C)	$2^{16}$	(D)	215
	(171)	None of the above		•

70. Which of the following can be determined from a frequency-domain graph of a				frequency-domain graph of a signal?		
Ē	(A)	Bandwidth	(B)	Phase		
	(C)	Power	(D)	Energy		
	(E)	None of the above.				
71.	Why	should testing be done?	٠			
	(A)	To ensure the correctness of a program	n			
	(B)	To find errors in a program				
	(C)	To certify the effectiveness of a progra	ım			
	(D)	All of the above		•		
	(E)	None of the above.				
72.	Which phase consumes maximum effort to fix an error?					
	(A)	Design phase	(B)	Coding phase		
	(C)	Analysis phase	(D)	All of the above		
	(E)	None of the above.				
73.	Debugging of a program is					
	(A)	The process of executing the program				
	(B)	The process of experiencing a failure				
	(C)	(C) The process of improving the quality of the program				
	(D)	All of the above				
٠	<b>(E)</b>	None of the above.				
74.	Cvol	lomatic complexity is meant for				
	(A)	Number of distinct paths in a graph	<b>(B)</b>	Defect detector		
	(C)	Number of distinct regions in a graph		All of the above		
	(E)	None of the above.	( <b>D</b> )	All of the above		
75.	A node with indegree = 0 and outdegree $\neq$ 0 is called as and a node with indegree $\neq$ 0 and outdegree = 0 is called as					
	(A)	Source node, Destination node	( <b>B</b> )	Destination node, Source node		
	(C)	Predicate node, Leaf node	(D)	Leaf node, Predicate node		
	<b>(E)</b>	None of the above.				
76.	What is the IEEE standard for SRS document?					
	(A)	IEEE std. 830	(B)	IEEE std. 829		
	(C)	IEEE std. 860	(D)	IEEE std. 801.12		
	(E)	None of the above.				

77. Which is not a component of a use case diagram?			?		
	(A)	Actor			
	(B)	Use case			
(C) Relationship between actor and use case					
	(D)	All of the above			
	(E)	None of the above.			
<b>7</b> 8.		case scenario is	<b>(D)</b>		
	(A)	An input of a use case	(B)	An instance of a use case	
	(C)	•	(D)	All of the above	
	(E)	None of the above.			
79.	The number of interchanges required to sort 5, 1, 6, 2 4 in ascending order using Bubble Sort is				
	(A)	6	(B)	5	
	(C)	7	$(\mathbf{D})$	8	
	(E)	None of the above.			
80.	The goal of hashing is to produce a search that takes				
	(A)	O(1) time	(B)	O(n <sup>2</sup> ) time	
	(C)	$O(\log n)$ time	(D)	O(n log n ) time	
	(E)	None of the above.			
81. Let R be a relation on the set A, where A is set of all positive integers. R is x R y if and only if x ≤ 3y then R is				of all positive integers. R is defined by	
	(A)	Symmetric	(B)	Transitive	
	(C)	Reflexive	(D)	All of the above	
	(E)	None of the above.			
.82.	A fil	le produced by a spreadsheet			
	(A)	is generally stored on disk in an AS	SCII tex	t format	
	(B)	can be used as it by the DBMS			
	(C)	can be used for graphic			
	(D)	All of the above			
	(E)	None of the above			

83.	Which type of file is part of the Oracle database?						
	(A)	Control file	(B)	Password file			
	(C)	Parameter files	(D)	Archived log files			
	(E)	None of the above.		•			
84.	(~Q	$(\neg Q \rightarrow \neg P) \lor Q \Leftrightarrow$					
	(A)	~P	(B)	$P \rightarrow Q$			
	(C)	$Q \rightarrow P$	(D)	All of the above			
	(E)	None of the above.					
85.	A complete Bipartite graph $K_{m,n}$ is a tree if and only if						
	(A)	m = n	(B)	m = n = 1			
	(C)	m = 1 or $n = 1$	(D)	All of the above			
	(E)	None of the above					
86. The number of labelled trees with five vertices is			F				
	(A)	125	(B)	25			
	(C)	625	(D)	All of the above			
	(E)	None of the above.		•			
87.	Con	text-switching takes place in					
	(A)	Round-Robin scheduling	(B)	Any Pre-emptive scheduling			
	(C)	Priority scheduling	(D)	All of the above			
	(E)	None of the above.					
88.	In the approach, devices are associated with logical primary memory addresses rather than having a specialized device address.						
	(A)	I/O Mapped I/O	(B)	Interrupt Mapped I/O			
	(C)	Memory Mapped I/O	(D)	All of the above			
	(E)	None of the above.					
89.	Concurrent process are						
	(A)	Do not overlap in time					
	(B)	Overlap in time					
	(C)	Executed by a processor at the same time					
	(D)	) All of the above					
	<b>(E)</b>	None of the above.					

90.	Match the following						
	(P) Paging	(1) Spat	al Locality				
	(Q) Overlays	(2) Prog	cammer's view of	Memory allocation			
	(R) Segmentation	(3) Non	- Contiguous alloc	ation			
	(S) TLB	(4) Inde	endent modules				
	(A) $P-1$ , $Q-2$ , $R-3$	S-4	(B) $P-2$	Q - 3, R - 1, S - 4			
	(C) $P-3, Q-4, R-2$	S-1	(D) $P-1$ ,	Q-3, R-4, S-2			
	(E) None of the above.						
91.	Suppose all the bits overwritten by all 0's or	all 1's , then	now to catch that	error.	ksum ar		
	(A) Ethernet checksum can be used to detect the error						
	(B) TTL field value can be used						
	<ul><li>(C) Version field value can be used to detect the error</li><li>(D) All of the above</li></ul>						
	<ul><li>(D) All of the above</li><li>(E) None of the above</li></ul>		·				
92.	In TCP, both sides of a TCP connection randomly choose an initial sequence number because						
	(A) To avoid the segments from an already terminated connection						
	(B) To accept the packets from both the connections						
	(C) As so many sequence numbers available, this will be done						
	(D) All of the above						
	(E) None of the above						
93.	When is the SGA created in an Oracle database environment?						
	(A) When the databas	e is created	(B) When	a user process is st	arted		
	(C) When the databas	e is mounted	(D) When	the instance is star	ted		
	(E) None of the above.						
94.	A network that requires human intervention of route signals is called a						
	(A) Bus Interface netv	vork	(B) Ring	network	•		
	(C) Star Optional net	work	(D) T-swi	tched network			
	(E) None of the above						

95. In DNS, the client could directly contact more than one server is known as			an one server is known as			
	(A)	A recursive resolution	(B)	An iterative resolution		
	(C)	A Cache resolution	(D)	An instance resolution		
	<b>(E)</b>	None of the above.				
96.	A class B network on the internet as a subnet mask of 255.255.240.0. What is the maximum number of hosts per subnet?					
•	(A)	4094	(B)	3094		
	(C)	1024	( <b>D</b> )	All of the above		
	(E)	None of the above.				
97.	Which is not a size metric?					
	(A)	Number of attributes per class	(B)	Number of methods per class		
	(C)	Weighted methods per class	(D)	All of the above		
	<b>(E)</b>	None of the above.	٠			
98.	Whi	Which of the following is not a standard RS-232C signal?				
	(A)	RTS	(B)	CTS		
	(C)	DSR	(D)	VDR		
	<b>(E)</b>	None of the above.				
99.	Usa	bility does not consists of				
	(A)	Accuracy	<b>(B)</b>	Learnability		
	(C)	Completeness	(D)	All of the above		
	(E)	None of the above.				
100.	Supports Data Rate Upto 1000 Mbps Gigabyte Ethernet.					
	(A)	CAT 1	<b>(B)</b>	Thinnet		
	(C)	CAT 5d	(D)	CAT 5e		
	(E)	None of the above.	-			
			-			