Examination: Ph.D. Computer Science and Engineering
Section 1 - Section 1
Question No.1 4.00
Bookmark
Identify the correct order in which a server process must invoke the function calls accept, bind, listen,
and recv according to UNIX socket API.
C listen, accept, bind, recv
○ accept, listen, bind, recv
○ bind, accept, listen, recv
© bind, listen, accept, recv
Question No.2
Bookmark
Services to support Database management system in any cloud based system should be part of
© Software as a Service (SaaS)
© Platform as a Service (PaaS)
© Enterprise as a Service (EaaS)
O Infrastructure as a Service (laaS)
Over Com No O
Question No.3
Bookmark ☐ A formal grammar is a for rewriting strings.
Set of rules
© Set of languages
© Set of functions
○ Both a & b
Question No.4 4.00
Bookmark □
Bookmark ☐ Choose the correct meaning of the italicized idiom.
Bookmark ☐ Choose the correct meaning of the italicized idiom. He had great difficulty to <i>save his bacon</i> when he was blackmailed.
Bookmark ☐ Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. ○ Save pork
Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. Save pork Threaten somebody
Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. Save pork Threaten somebody Escape death
Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. Save pork Threaten somebody
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Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. Save pork Threaten somebody Escape death Put bacon in the refrigerator Question No.5 An attribute or set of attributes within one relation that matches the candidate key of some (possibly the same) relation. Candidate key Super key Primary key Foreign key Question No.6 4.00
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Choose the correct meaning of the italicized idiom. He had great difficulty to save his bacon when he was blackmailed. Save pork Threaten somebody Escape death Put bacon in the refrigerator Question No.5 An attribute or set of attributes within one relation that matches the candidate key of some (possibly the same) relation. Candidate key Super key Primary key Foreign key Question No.6 Bookmark Bookmark Bookmark Bookmark Which of the following permutation can be obtained in the output (in the same order) using a stack assuming that the input is the sequence 1, 2, 3, 4, 5 in that order? C 3, 4, 5, 1, 2
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Question No.7 Bookmark ☐ Choose the correct meaning of the italicized idiom. Sheela's work seems to be a Penelope's web. Declining In her best form Endless Difficult
Question No.8 Bookmark ☐ Internet of Things needs a lot of network connection. What is the proposed "white Space" radio standard called? ☐ Zigbee ☐ Weightless ☐ WiMax ☐ Bluetooth
Question No.9 4.00
Bookmark ☐ In the transfer of file between server and client, if the transmission rates along the path is 10Mbps, 20Mbps, 30Mbps, 40Mbps. The throughput is usually 10Mbps 40Mbps 50Mbps 20Mbps
Question No.10 4.00
Bookmark ☐ Write the regular expression to denote the language L ={ a,b} such that all the string do not contain the substring "ab". ○ a*b* ○ b*a* ○ (ab)* ○ All of these
Question No.11 4.00
An algorithm A is admissible if It returns more solutions, but not an optimal one It is guaranteed to return an optimal solution when one exists It guarantees to return more optimal solutions It is not guaranteed to return an optimal solution when one exists
Question No.12 4.00
What is the worstcase time complexity of Build Heap operation. Build Heap is used to build a max(or min) binary heap from a given array. Build Heap is used in Heap Sort as a first step for sorting. ○ O(Logn) ○ O(n) ○ O(nLogn) ○ O(n^2)

Question No.13	4.00
Which one of the following assertions concerning code inspection and code walkthrough is t	Bookmark □
© Code inspection and code walkthrough are synonyms	
Code walkthrough is usually carried out by an independent test team	
and the state of t	
Code inspection is carried out once the code has been unit tested	
C Adherence to coding standards is checked during code inspection	
Question No.14	4.00
	Bookmark □
Which is also called Single inference Rule?	
© Resolution	
© Reform	
© Reference	
C Conjunctive normal form	
Question No.15	4.00
M/bigh of the following is/are example(a) of stateful application lever protected	Bookmark □
Which of the following is/are example(s) of stateful application layer protocols? (i) HTTP (ii) FTP (iii) TCP (iv) POP3	
© (iii) and (iv) only	
© (ii) and (iii) only	
© (i) and (ii) only	
C (ii) and (iv) only	
Question No.16	4.00
	Bookmark
A processor has 40 distinct instructions and 24 general purpose registers. A 32-bit instructions are appeared, the register energiate and an immediate energiate.	
has an opcode, two register operands and an immediate operand. The number of bits available immediate operand field is	able ioi
© 32	
© 16	
© 12	
C 8	
Question No.17	4.00
	Bookmark □
Identify the underlined part of speech:	-
Sorry, I don't know any <u>foreign</u> languages	
C adjective	
○ pronoun	
○ adverb	
○ noun	
Question No.18	4.00
	Bookmark □
In a binary max heap containing n numbers, the smallest element can be found in time	·
O(1)	
○ O(logn)	
○ O(log2n)	

Question No.19	4.00
Find out the missing term:	Bookmark □
1, 2, 3, 6, 11, 20, 37, 68, ? 125 105 126 124	
Question No.20	4.00
Ramesh had a cold and couldn't go to the party, so I bought him a cake to make up for his c depression disappointment disgust disillusion	Bookmark □
Question No.21	4.00
How many stacks are needed to implement a queue? Consider the situation where no other structure like arrays, linked list is available to you. 3 1 2 4	Bookmark □ data
Question No.22 Consider an undirected random graph of eight vertices. The probability that there is an edge a pair of vertices is 1/2. What is the expected number of unordered cycles of length three? 7 0	4.00 Bookmark ☐ e between
© 1 © 8	
Question No.23 Choose the missing term: 3F,6G,11I,18L, ?	4.00 Bookmark
O 27P	
C 28Q C 26N	
o 270	
Question No.24	4.00 Bookmark □
In fixed sized partition, the degree of multi programming is bounded by © the number of partitions	
C the CPU utilization	
○ the memory size○ all of the mentioned	

	4.00
	Bookmark □
In the worst case, the number of comparisons needed to search a singly linked list of length	n for a
given element is	
○ log 2n	
O n	
O n-1	
○ n/2	
Question No.26	4.00
	Bookmark
What is the output of a lexical analyzer?	
○ Intermediate Code	
○ A parse Tree	
C A list of tokens	
○ Machine code	
Question No.27	4.00
	Bookmark □
Which of these keywords is not a part of exception handling?	-
O try	
© finally	
C throws	
○ thrown	
Question No 28	4.00
Question No.28	4.00
	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered	Bookmark □
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse	Bookmark
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense	Bookmark ☐ ering of
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse Question No.29	Bookmark
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse Question No.29 Input of Lex is?	Bookmark ☐ ering of
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If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called O Unclustered O Dense O Sparse Question No.29 Input of Lex is? O ASCII data O statements O Set of regular expression O Numeric data	Bookmark ering of 4.00 Bookmark
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse Question No.29 Input of Lex is? ASCII data Statements Set of regular expression	Bookmark ☐ ering of 4.00 Bookmark ☐ 4.00
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called Cunclustered Custered Dense Sparse Question No.29 Input of Lex is? ASCII data statements Set of regular expression Numeric data Question No.30	Bookmark ering of 4.00 Bookmark
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called Cunclustered Dense Sparse Question No.29 Input of Lex is? ASCII data statements Set of regular expression Numeric data Question No.30 Which of the below is an invalid identifier with main method?	Bookmark ering of 4.00 Bookmark 4.00
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse Question No.29 Input of Lex is? ASCII data statements Set of regular expression Numeric data Question No.30 Which of the below is an invalid identifier with main method? Final	Bookmark ering of 4.00 Bookmark 4.00
If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called C Unclustered C Clustered Dense Sparse Question No.29 Input of Lex is? ASCII data statements Set of regular expression Numeric data Question No.30 Which of the below is an invalid identifier with main method? Final Public	Bookmark ering of 4.00 Bookmark 4.00
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If files are organized so that the ordering of data records is the same as or close to the order data entries in some index. Then that index is called O Unclustered O Clustered O Dense O Sparse Question No.29 Input of Lex is? O ASCII data O statements O Set of regular expression O Numeric data Question No.30 Which of the below is an invalid identifier with main method? O Final O Public	Bookmark ering of 4.00 Bookmark 4.00

Question No.31	4.00 Bookmark □
In which addressing mode the operand is given explicitly in the instruction? Immediate mode	
O Index mode	
Absolute modeIndirect mode	
	4.00
Question No.32	4.00 Bookmark
Match the following:	
List - I	
(P) Prim's algorithm for minimum spanning tree	
(Q) Floyd-Warshall algorithm for all pairs shortest paths	
(R) Mergesort	
(S) Hamiltonian circuit	
List - II	
(i) Backtracking	
(ii) Greedy method	
(iii) Dynamic programming	
(iv) Divide and conquer	
C P-iii, Q-ii, R-iv, S-i	
© P-i, Q-ii, R-iv, S-iii	
© P-ii, Q-i, R-iii, S-iv © P-ii, Q-iii, R-iv, S-i	

Question No.33 Which of the following term is best defined by the statement:"When one object invokes anot	4.00 Bookmark
independent object, a message is passed between the two objects."? Control coupling	
Stamp couplingExternal couplingData coupling	
Question No.34	4.00
Which one of the following task is not done by data link layer?	Bookmark
© error control C channel coding	
○ framing○ flow control	
Question No.35	4.00
Statements: Some bats are snakes, No snake is dangerous	Bookmark
Conclusion: I. Some dangerous animals are snakes II. Some bats are not dangerous.	
○ If either I or II follows	
If only conclusion II followsIf neither I nor II follows	
○ If only conclusion I follows	
Question No.36	4.00 Bookmark □
Based on the given information, answer the following question. 1. Six friends P,Q,R,S,T and U are memebers of a club and play different games of Footbal Tennis, Basketball, Badminton and Volleyball 2. T who is taller than P and S plays Tennis. 3. The tallest among them plays Basketball. 4. The Shortest among them plays volleyball. 5. Q and S neither play Volleyball nor Basketball. 6. R plays Volleyball 7. T is between Q who plays Football and P in order of height	Bookmark
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Based on the given information, answer the following question. 1. Six friends P,Q,R,S,T and U are members of a club and play different games of Footbal Tennis, Basketball, Badminton and Volleyball 2. T who is taller than P and S plays Tennis. 3. The tallest among them plays Basketball. 4. The Shortest among them plays volleyball. 5. Q and S neither play Volleyball nor Basketball. 6. R plays Volleyball 7. T is between Q who plays Football and P in order of height What does S Play? Cricket Badminton Either Cricket or Badminton None of the above Question No.37 Which one of the following protocols is NOT used to resolve one form of address to another	Bookmark II, Cricket, 4.00 Bookmark

Question No.38 MQTT is a protocol. © Machine Things	4.00 Bookmark □
Internet of ThingsMachine to Machine and Internet of ThingsMachine to Machine	
Question No.39	4.00 Bookmark □
(A) (B) (C) (D) C D C B C C C A	
Question No.40 Good restaurants serving pure vegetarian food are very hard to Good pure serving pure vegetarian food are very hard to Good restaurants serving pure vegetarian food are very hard to Good restaurants serving pure vegetarian food are very hard to	4.00 Bookmark □
Question No.41 Which one of the following is a transport layer protocol used in internet? TCP UDP Both (a) and (b) None of the mentioned	4.00 Bookmark □
 Question No.42 Which one of the following is NOT a part of the ACID properties of database transactions? Consistency Atomicity Deadlock-freedom Isolation 	4.00 Bookmark □

Which of the following options is/are true for K-fold cross-validation? i. Increase in K will result in higher time required to cross validate the result. ii.Higher values of K will result in higher confidence on the cross-validation result as compalower value of K. iii.If K=N, then it is called Leave one out cross validation, where N is the number of observation of 1,2 and 3 of 1 and 3 of 1 and 2 of 2 and 3	
Which one of the following fields of an IP header is NOT modified by a typical IP router? Checksum Time to Live (TTL) Source address Length	Bookmark <u></u> □
Question No.45 Which of the following provider rely on virtual machine technology to deliver servers? ○ laaS ○ CaaS ○ AaaS ○ PaaS	4.00 Bookmark ☐
Which of the following is /are modern programming language(s)? C Kotlin Julia Haxe All of these	4.00 Bookmark ☐
 Question No.47 When is a resolution called as refutation-complete? Sentence is satisfiable Sentence is unsatisfiable Sentence remains the same None of the mentioned 	4.00 Bookmark ☐
Question No.48 Select the option which improves the underlined part of the sentences. The Prime Minister called on the President. No improvement to in by	4.00 Bookmark ☐

Question No.49	4.00
Which of the following is a recent development in Machine Learning?	Bookmark □
© Sound Learning	
C Deep Learning	
○ Wave Learning	
୍ Meta Learning	
Question No.50	4.00
	Bookmark □
Assume that for a certain processor, a read request takes 50 nanoseconds on a cache manoseconds on a cache hit. Suppose while running a program, it was observed that 80%	
processor's read requests result in a cache hit. The average read access time in nanosec	
O 1.4	
O 1.4	
O 14	
O 13	
Question No.51	4.00 Bookmark
A processor can support a maximum memory of 4 GB, where the memory is word-addres	
word consists of two bytes). The size of the address bus of the processor is at least	bits.
○ 33 ○ 32	
C 31	
C 35	
Question No.52	4.00
Question No.52 Obtain the missing term.	4.00 Bookmark □
Obtain the missing term.	
Obtain the missing term. 300, 296, 287, 271, ? , 210	
Obtain the missing term. 300, 296, 287, 271, ? , 210	
Obtain the missing term. 300, 296, 287, 271, ? , 210 © 246 © 250	
Obtain the missing term. 300, 296, 287, 271, ? , 210	
Obtain the missing term. 300, 296, 287, 271, ? , 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ? , 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ? , 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ? , 210 246 250 244 None of the above Question No.53 An Al technique that allows computers to understand associations and relationships betwand events is called:	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ?, 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ? , 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ?, 210	Bookmark 4.00 Bookmark
Obtain the missing term. 300, 296, 287, 271, ? , 210	Bookmark 4.00 Bookmark een objects
Obtain the missing term. 300, 296, 287, 271, ? , 210	4.00 Bookmark een objects
Obtain the missing term. 300, 296, 287, 271, ?, 210 246 250 244 None of the above Question No.53 An Al technique that allows computers to understand associations and relationships betwand events is called: Heuristic processing Pattern matching Cognitive science Relative symbolism Question No.54 What property of the files prevents sharing of files and directories? Tree structure	4.00 Bookmark een objects
Obtain the missing term. 300, 296, 287, 271, ? , 210	4.00 Bookmark een objects

Question No.55
Bookmark □
A single array A[1MAXSIZE] is used to implement two stacks. The two stacks grow from opposite
ends of the array. Variables top1 and top2 (topI< top 2) point to the location of the topmost element in each of the stacks. If the space is to be used efficiently, the condition for "stack full" is:
© top1= top2 -1
© top1 + top2 = MAXSIZE
© (top1 = MAXSIZE/2) and (top2 = MAXSIZE/2+1)
© (top1 = MAXSIZE/2) and (top2 = MAXSIZE)
(IDPT- MAXSIZE/2) OF (IDPZ - MAXSIZE)
Question No.56 4.00
Bookmark □
Assertion: - India's president is appointed on a five-year term
Decree Destitute Destitute and interference bestief front consequence identic 0007
Reason: -PratibhaPatil was appointed as India's first woman president in 2007
O Both A and R are true and R is the correct explanation of A
O A is true but R is false
O A is false but R is true
O Both A and R are true and R is not the correct explanation of A
Question No.57 4.00
Bookmark
In orthographic projection, the object is placed with one of its faces to the picture plane.
© Inclined
© Perpendicular
© Parallel
C Any of the above
Question No.58 4.00
Bookmark □
Bookmark ☐ The network layer concerns with
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The network layer concerns with obits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory
The network layer concerns with obits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation
The network layer concerns with bits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation considerable overhead in computation time
The network layer concerns with obits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation
The network layer concerns with bits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation considerable overhead in computation time
The network layer concerns with obits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation considerable overhead in computation time all of the above mentioned
The network layer concerns with
The network layer concerns with bits frames packets none of the mentioned Question No.59 4.00 Bookmark Bookmark Bookmark Bookmark Consumption of memory excessive time consumption for memory allocation considerable overhead in computation time all of the above mentioned Question No.60 4.00 Bookmark Choose the best synonym of the italicized word. Each one of us is the subject of derision at some time or the other in our life.
The network layer concerns with bits frames packets none of the mentioned Question No.59 4.00 Bookmark The disadvantage of invoking the detection algorithm for every request is: consumption of memory excessive time consumption for memory allocation considerable overhead in computation time all of the above mentioned Question No.60 4.00 Rookmark Bookmark Adou Bookmark Choose the best synonym of the italicized word. Each one of us is the subject of derision at some time or the other in our life. irony
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Question No.61 To set up the window to capture all Click events, which of the following statement is used? window.captureEvents(Event.CLICK); window.raiseEvents(Event.CLICK); window.handleEvents (Event.CLICK); window.routeEvents(Event.CLICK);	4.00 Bookmark □
are also known as generic pointers, which refer to variables of any type. O this pointer O base pointer O void pointer O null pointer	4.00 Bookmark □
Question No.63 Which of the following model includes a backward elimination feature selection routine? ○ MCV ○ MARS ○ MCRS ○ All of the Mentioned	4.00 Bookmark □
Question No.64 The preorder traversal sequence of a binary search tree is 30, 20, 10, 15, 25, 23, 39, 35, 42 one of the following is the post order traversal sequence of the same tree? © 10, 20, 15, 23, 25, 35, 42, 39, 30 © 15, 10, 23, 25, 20, 35, 42, 39, 30 © 15, 20, 10, 23, 25, 42, 35, 39, 30	4.00 Bookmark ☐ 2. Which
Question No.65 An assembler is Data dependent Machine dependent Programming language dependent Syntax dependent	4.00 Bookmark □
Question No.66 Which of the following strings is not generated by the following grammar? S → SaSbS ε. ○ aababb ○ aabb ○ abab	4.00 Bookmark □

Question No.67	4.00
	Bookmark □
The statement that is executed automatically by the system as a side effect of the modifical	tion of the
database is:	
○ backup	
© recovery	
○ trigger	
© assertion	
Question No.68	4.00
	Bookmark □
The finite automata accept the following language:	
Context Free Language	
Context Sensitive Language	
○ Regular Language	
○ None of these	
Question No.69	4.00
Question no.55	Bookmark □
Consider a non-pipelined processor with a clock rate of 2.5 gigahertz and average cycles	
instruction of four. The same processor is upgraded to a pipelined processor with five stage	
to the internal pipeline delay, the clock speed is reduced to 2 gigahertz. Assume that there	
stalls in the pipeline. The speed up achieved in this pipelined processor is	_•
C 4	
O 3	
C 4.2	
V 7.2	
6.3.3	
○ 3.2	
	4.00
C 3.2 Question No.70	4.00
Question No.70	Bookmark
	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the sequence (0,0,1,1,2,2,3,3,0,0,) is	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the estimate (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2 © 1	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2	Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2 © 1 © 4	Bookmark ☐ count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the estimate (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2 © 1	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2 © 1 © 4 Question No.71	Bookmark ☐ count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 Question No.71 All of the following accurately describe Hadoop, EXCEPT:	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the essequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing	Bookmark count
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based	Bookmark count 4.00 Bookmark
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source	Bookmark count 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based Question No.72	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based Question No.72 A software requirements specification (SRS) document should avoid discussing which one	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is © 3 © 2 © 1 © 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: © Real Time © Distributed Computing © Open Source © Java Based Question No.72 A software requirements specification (SRS) document should avoid discussing which one following?	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based Question No.72 A software requirements specification (SRS) document should avoid discussing which one following? Design specification	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based Question No.72 A software requirements specification (SRS) document should avoid discussing which one following? Design specification Non-functional requirements	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00
Question No.70 The minimum number of JK flip-flops required to construct a synchronous counter with the esequence (0,0,1,1,2,2,3,3,0,0,) is 3 2 1 4 Question No.71 All of the following accurately describe Hadoop, EXCEPT: Real Time Distributed Computing Open Source Java Based Question No.72 A software requirements specification (SRS) document should avoid discussing which one following? Design specification	Bookmark 4.00 Bookmark 4.00 Bookmark 4.00

Question No.73	4.00
The width of the physical address on a machine is 40 bits. The width of the tag field in a 512 way set associative cache is bits.	Bookmark
○ 44	
○ 14	
C 34	
C 24	
Question No.74	4.00
 is obviously infinite language.	Bookmark
C Factorial	
© Palindrome	
© Equal-Equal	
© Even-Even	
C Even-Even	
Question No.75	4.00 Bookmark □
Time quantum is defined in	JOOKIIIAI K
C shortest job scheduling algorithm	
© round robin scheduling algorithm	
© multilevel queue scheduling algorithm	
© priority scheduling algorithm	
S priority soriestaling digoritalin	
Question No.76	4.00 Bookmark □
Which of the following is a recent cyber security issue that affected many systems across the	
© WannaLaugh	9.0001
© Wannacry	
© Deepcry	
© None of the these	
O Notice of the these	
Question No.77	4.00 Bookmark □
Which is a refutation complete inference procedure for propositional logic?	300kmark [_
© Clauses	
C Proposition	
© Variables	
C Propositional resolution	
. repositional reconstruction	
Question No.78	4.00
	3ookmark □
Which of the following function provides unsupervised prediction?	
Which of the following function provides unsupervised prediction? C cl_forecast	
Which of the following function provides unsupervised prediction? C cl_forecast C cl_precast	
Which of the following function provides unsupervised prediction? C cl_forecast	

Which level of RAID refers to disk mirroring with block striping?	4.00 Bookmark □
© RAID Level 3 © RAID Level 4 © RAID Level 2	
© RAID Level 1	
Question No.80	4.00 Bookmark
What is the peculiarity of red black trees? In red-black trees, the leaf nodes are not relevant and do not contain data. They are not self balancing In red-black trees, the root do not contain data. In red-black trees, the leaf nodes are relevant and contain data.	вооктагк
Question No.81	4.00
In the PL/SQL, the package specification containsdeclarations. © Friend © Private © Public © Protected	Bookmark
Question No.82	4.00 Bookmark □
Given the following statements: S1: A foreign key declaration can always be replaced by an equivalent check assertion in S Given the table R (a, b, c) where a and b together form the primary key, the following is a va	
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? © S1 is FALSE and S2 is TRUE	alid table
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? © S1 is FALSE and S2 is TRUE © S1 is TRUE and S2 is FALSE	alid table
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? © S1 is FALSE and S2 is TRUE	alid table
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? S1 is FALSE and S2 is TRUE S1 is TRUE and S2 is FALSE Both S1 and S2 are FALSE	alid table
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? S1 is FALSE and S2 is TRUE S1 is TRUE and S2 is FALSE Both S1 and S2 are FALSE Both S1 and S2 are TRUE Question No.83 The concept of FA is much used in this part of the compiler: Parser Lexical Analyzer	alid table FOREIGN
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? S1 is FALSE and S2 is TRUE S1 is TRUE and S2 is FALSE Both S1 and S2 are FALSE Both S1 and S2 are TRUE Question No.83 The concept of FA is much used in this part of the compiler: Parser	alid table FOREIGN 4.00
definition. CREATE TABLE S (a INTEGER, d INTEGER, e INTEGER, PRIMARY KEY (d), KEY (a) references R). Which one of the above statements is CORRECT? S1 is FALSE and S2 is TRUE S1 is TRUE and S2 is FALSE Both S1 and S2 are FALSE Both S1 and S2 are TRUE Question No.83 The concept of FA is much used in this part of the compiler: Parser Lexical Analyzer Code Generation	alid table FOREIGN 4.00

Question No.85	4.00
In a Rule based system, procedural domain knowledge is in the form of	Bookmark
C Control rules	
○ Production rules	
○ Rule interpreters	
© Meta-rules	
Question No.86	4.00
	Bookmark □
Choose the best antonym of the italicized word. Ravi and Raghu are really <i>obstinate</i> men.	
© understanding	
© friendly	
© compliant	
○ considerate	
Question No.87	4.00
Question No.07	Bookmark
Which of the following cloud concept is related to pooling and sharing of resources?	-
○ QoS	
© Virtualization	
© Polymorphism	
Abstraction	
Question No.88	4.00
	Bookmark □
Personal consultant knowledge bases contain information in the form of	
© Parameters	
C Contexts	
© Production rules	
○ All of the above	
Question No.89	4.00
	Bookmark
In a code language, 321 means "Hot Black Coffee", 536 means "Very Hot Summer", and 58 "Summer and Winter". Which digit stands for "Very"?	39 means
© 5	
C 6	
C 9	
C 3	
Question No.90	4.00
	Bookmark
Choose the correct meaning of the italicized idiom.	
Anil got me into trouble by giving a <i>false colour</i> to my statement. © Giving a wrong character	
© Giving good impression	
© Colouring the sentence	
© Giving a wrong colour box	

and Z be two languages somany- one reduction). Whi W is not recursively W can be recursive	lage and Y be a recursively enumerable but no uch that Y reduces to W, and Z reduces to X (lich one of the following statement is TRUE? by enumerable and Z is not recursive a and Z is recursively enumerable. The ly enumerable and Z is recursive. By enumerable and Z is recursive.	
	00 km journey, if 120 km is done by train and s done by train and the rest by car. The ratio o	
Question No.93 An accurate and efficient room Bresenham's line at the Mid-point algorithm Parallel line algorithm DDA algorithm	n	4.00 Bookmark □
The Director of an MBA concentration of the Decision Making, Quality (concentration or and the properties) on each day from the concentration of the Discussion (iv) Decision Making should be properties).	o lecture (Saturday is not that day), just before rganised immediately after Assessment Centure organised on Wednesday and should not build be organised on Friday and there should be	the topics of Motivation, Group Discussion are to be that day Group Discussion tre. be followed by Group the a gap of two days between

Question No.95 Let the class of language accepted by finite state machine be L1 and the class of languages represented by regular expressions be L2 then: O L1U L2=* O L1=L2 O L1 < L2 O L1 >= L2	
When a function is recursively called all the automatic variables are stored in a C Linked List Queue Array Stack	4.00 Bookmark □
 Question No.97 Which one of the following is an application of Queue Data Structure? Resource sharing among multiple consumers. Asynchronous data transfer between two processes Load Balancing All of these 	4.00 Bookmark □
Which one of the following in NOT necessarily a property of a Group? Existence of identity Commutative Existence of inverse for every element Associative	4.00 Bookmark □
Based on the information given, answer the below question. 1. A,B,C,D,E and F are travelling in a bus. 2. There are two reporters, two mechanics, one photographer and one writer in the group. 3. Photographer A is married to D who is a reporter. 4. The writer is married to B who is of the same profession as that of F. 5. A,B,C,D are two married couples and no one in this belong to the same profession. 6. F is the brother of C. How is C related to F? Brother Brother-in-law Sister Cannot be determined	4.00 Bookmark □

Question No.100	4.00
	Bookmark □
Which of the following statements are TRUE about an SQL query?	
P: An SQL query can contain a HAVING clause even if it does not have a GROUP BY claus	е
Q : An SQL query can contain a HAVING clause only if it has a GROUP BY clause	
R: All attributes used in the GROUP BY clause must appear in the SELECT clause	
S: Not all attributes used in the GROUP BY clause need to appear in the SELECT clause	
○ Q and S	
○ P and R	
O P and S	
○ Q and R	
○ Q and R	