

TE_B_Online_Test(All Subject) Total points 50/50 ?

SH2020

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0 of 0 points

Division *

B

Roll No *

B50

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DBMS

10 of 10 points

Attempt All Questions.



✓ What term is used to refer to a specific record in your music database; 1/1
for instance; information stored about a specific album? *

- ☐ Relation
- ☒ Instance
- ☐ Table
- ☐ Column



✓ In E-R diagram generalization is represented by * 1/1

- ☐ Ellipse
- ☐ Dashed ellipse
- ☐ Rectangle
- ☒ Triangle



✓ A table joined with itself is called * 1/1

- ☐ Join
- ☒ Self Join
- ☐ Outer Join
- ☐ Equi Join



✓ In the relational model, the number of attributes and number of tuples in a relation are termed as _____ and _____ respectively *

- ☐ Cardinality, domain
- ☒ Degree, cardinality
- ☐ Domain degree
- ☐ Cardinality, degree



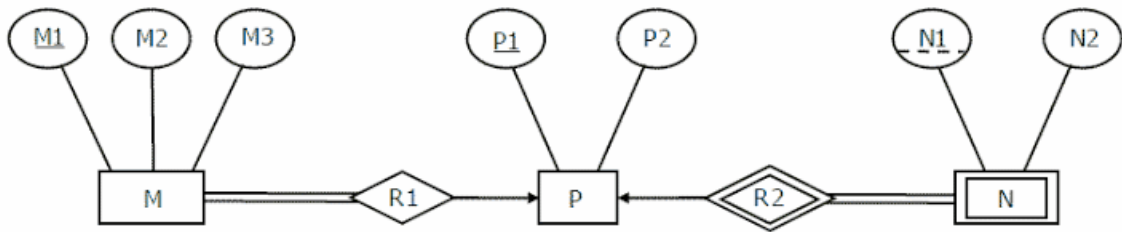
✓ Let E1 and E2 be two entities in an E/R diagram with simple single-valued attributes. R1 and R2 are two relationships between E1 and E2, where R1 is one-to-many and R2 is many-to-many. R1 and R2 do not have any attributes of their own. What is the minimum number of tables required to represent this situation in the relational model? *

- ☐ 2
- ☒ 3
- ☐ 4
- ☐ 5



✓ Consider the following ER diagram. The minimum number of tables needed to represent M, N, P, R1, R2 is *

2/2



- ☐ 4
- ☐ 5
- ☐ 2
- ☒ 3



✓ A logical schema *

1/1

- ☒ Is the entire database
- ☐ describe data in terms of relational tables and columns, object-oriented classes, and XML tags.
- ☐ Describes how data is actually stored on disk.
- ☐ Both (A) and (C)



✓ Employees(Id,F_name, L_name, Add, Phone_number) Merge both attribute F_name and L_name As Name which of the following query is correct? *

1/1

- ☐ select MERGE(F_name, L_name) as name from Employees;
- ☒ select Concat(F_name, L_name) as name from Employees;
- ☐ select Add(F_name, L_name) as name from Employees;
- ☐ none



CN

10 of 10 points

✓ CN1: Detecting start of the frame: _____ detect frames by looking out for special sequence of bits that marks the beginning of the frame i.e. SFD (Starting Frame Delimiter). *

1/1

- ☒ o Every Station
- ☐ o First station
- ☐ o Only Last Node
- ☐ o All of the above



✓ CN2: Ethernet frame has 7 bytes Preamble of _____

1/1

- ☐ o Alternating byte of 0s and 1's
- ☐ o Alternating 4 bits of 0s and 1's
- ☒ o Alternating bits of 0s and 1's
- ☐ o Random bits



✓ CN3: Ethernet frame takes minimum ____ bytes and maximum ____ bytes as payload. 1/1

- ☐ o 46 , 2000
- ☐ o 1500, 46
- ☐ o 64, 1518
- ☒ o 46, 1500



✓ CN4: DLL uses the flow control to prevent the sending node on one side of the link from _____ the receiving node on another side of the link. 1/1

- ☐ o Underflow of data
- ☒ o Overwhelming
- ☐ o Jamming
- ☐ o Waiting for data



✓ CN5: Single-Bit Error does not appear more likely in _____. 1/1

- ☒ o Serial Data Transmission
- ☐ o Parallel Data Transmission
- ☐ o Twisted pair transmission
- ☐ o None of the above



✓ CN6: Burst Errors are most likely to occur in _____. 1/1

- ☒ o Serial Data Transmission
- ☐ o Parallel Data Transmission
- ☐ o Twisted pair transmission
- ☐ o None of the above



✓ CN7: We add r redundant bits to each block to make the length $n = k + r$. 1/1
The resulting n -bit blocks are called _____.

- ☐ o data words
- ☐ o Complete word
- ☒ o code words
- ☐ o data block



✓ CN8: Block coding is normally referred to as _____ coding; it replaces each data with $k+r$ bits. 1/1

- ☐ o kB/nB
- ☒ o mB/nB
- ☐ o $nB/k+r B$
- ☐ o None of these.



✓ CN9: _____ is a technique used to combine and send the multiple data streams over a single medium. 1/1

- ☐ o De-Multiplexing
- ☐ o Decoding
- ☐ o Encoding
- ☒ o Multiplexing



✓ CN10: De multiplexing is achieved by using a device called De multiplexer 1/1 (DEMUX) available at the receiving end. DEMUX separates a signal into its component signals called _____

- ☐ o one input and one output.
- ☒ o one input and n outputs.
- ☐ o n input and none outputs.
- ☐ o m input and n outputs.



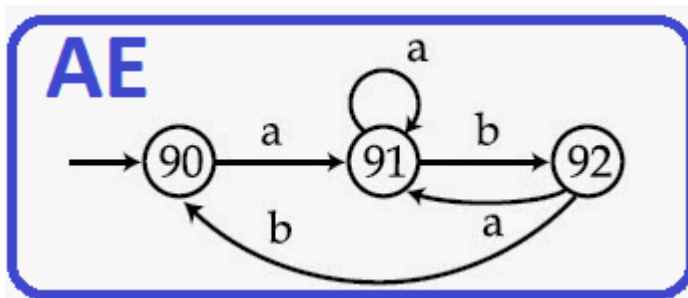
TCS

10 of 10 points



✓ 1]The following Deterministic finite automata *

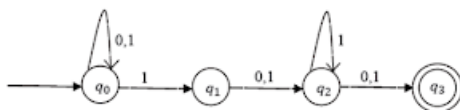
2/2



- ☐ Set of all strings containing "ab"
- ☐ Set of all strings containing "aab"
- ☐ Set of all strings ending with "abab"
- ☒ None of the above



✓ 2]Consider the finite automaton in the following figure.What is the set of 1/1
reachable states for the input string 0011? *



- ☒ {q0, q1, q2}
- ☐ {q0, q1}
- ☐ {q0, q1, q2,q3}
- ☐ {q3}



✓ 3]Two finite automata are said to be equivalent *

1/1

- ☐ If they have same no of states
- ☐ If they have same no of edges
- ☐ If they have same no of edges and states
- ☒ Recognizes same set of tokens
- ☐ Other:



✓ 4]Consider the following two statements: I. If all states of an NFA are accepting states then the language accepted by the NFA is Σ^* . II. There exists a regular language A such that for all languages B , $A \cap B$ is regular.Which one of the following is CORRECT? *

1/1

- ☐ Only I is true
- ☒ Only II is true
- ☐ Both I and II are true
- ☐ Both I and II are false



✓ 5]How many minimum states are required in a DFA to find whether a given binary string has odd number of 0's or not, there can be any number of 1's. *

1/1

- ☐ 3
- ☐ 1
- ☒ 2
- ☐ 4

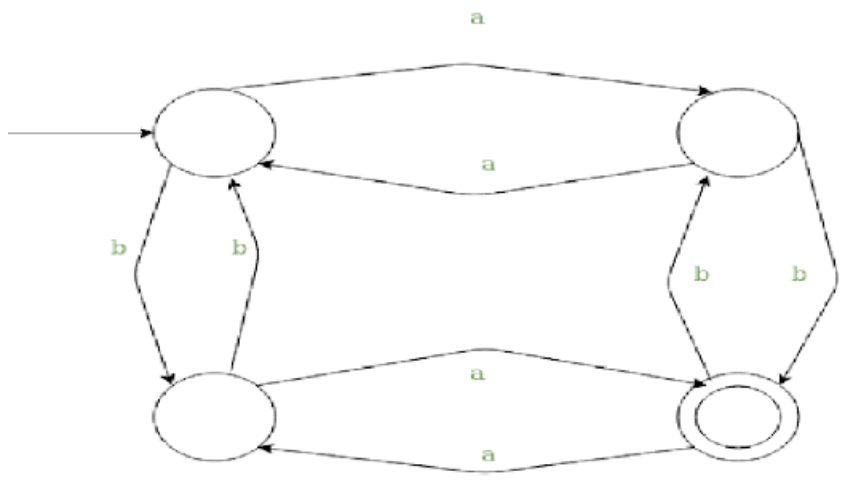


✓ 6] FSM(finite state machine) can be considered to be a Turing machine of 1/1 finite tape length *

- ☒ without rewinding capability and unidirectional tape movement ✓
- ☐ rewinding capability and unidirectional tape movement
- ☐ without rewinding capability and bidirectional tape movement
- ☐ rewinding capability and bidirectional tape movement

✓ 7]The finite state machine given in figure below recognizes: *

1/1

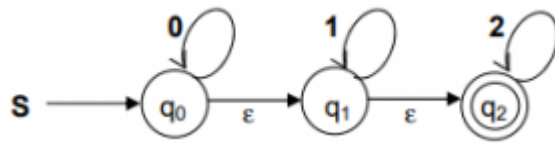


- ☐ any string of odd number of a's
- ☐ any string of odd number of b's
- ☐ any string of even number of a's and odd number of b's
- ☒ any string of odd number of a's and odd number of b' ✓



✓ 8]What are the final states of the DFA generated from the following NFA? 2/2

*



- ☐ q0, [q1, q2]
- ☐ [q0, q1], q2
- ☒ q0, q1, q2
- ☐ [q0, q1], [q0, q2], []
- ☐ c

✓

WDL lab test 4 (8 aug 2020)

10 of 10 points

Test Syllabus: HTML form and Java script

✓ 1. What is the default type of 'type' attribute of <input> element? *

1/1

- ☐ Password
- ☐ Numerals
- ☒ Text
- ☐ Special Characters

✓



✓ 2. Which attribute is not used on new forms? *

1/1

- ☒ size
- ☐ text
- ☐ name
- ☐ maxlength



✓ 3. Which of the following is not used with password attribute? *

1/1

- ☐ name
- ☐ maxlength
- ☒ min
- ☐ size



✓ 4. Which element is used to create multi-line text input? *

1/1

- ☐ text
- ☒ textarea
- ☐ submit
- ☐ radio button



✓ 5. In HTML <input type=text > is used for -----? *

1/1

- ☐ multiple text
- ☒ one line text
- ☐ block of text
- ☐ none



✓ 6. Java script is -----? *

1/1

- ☒ Client side scripting
- ☐ Server side scripting
- ☐ both
- ☐ none



✓ 7. Java script is case sensitive language *

1/1

- ☒ True
- ☐ False



✓ 8. <Form> tag in HTML is included within which tag? *

1/1

- ☐ <Head></head>
- ☒ <body></body>
- ☐ both
- ☐ none



✓ 9. Which of the following are form input types *

1/1

- ☐ text
- ☐ image
- ☐ button
- ☐ file
- ☒ all



✓ 10. Attribute of form tag are *

1/1

- ☒ name, action, method
- ☐ name
- ☐ submit, action, name
- ☐ method



MP

10 of 10 points

Test5



✓ 1. Following is Co processor /s for host processor 8086 *

1/1

- ☐ 8288
- ☐ 8088
- ☒ 8087
- ☐ 8286



✓ 2. Which is addressing mode for instruction MOV AX, [BX] exist *

1/1

- ☐ Register
- ☐ Immediate
- ☐ Direct
- ☒ Indirect



✓ 3. Following instructions code can update CS register to '0000' mark answer TRUE OR FALSE. MOV AX, @DATA; MOV CS, AX *

1/1

- ☐ TRUE
- ☒ FALSE



✓ 4. following is not advantage of segmentation in 8086 *

1/1

- ☐ addressing capability of 1 MB
- ☐ seperate memory for data, code, stack etc.
- ☒ accessing interrupts services faster
- ☐ to partition their programs into modules



✓ 5. Following is not logical instruction opcode in 8086 *

1/1

- ☐ NOT
- ☒ INC
- ☐ AND
- ☐ OR



✓ 6. Effective address in 8086 is not stored in following register *

1/1

- ☐ BX
- ☐ SI
- ☒ DS
- ☐ IP



✓ 7. Following flag is used for single step debugging in 8086 *

1/1

- ☐ IF
- ☐ DF
- ☒ TF
- ☐ CF



✓ 8. which type of segment can be accessed through IP register *

1/1

- ☐ Data Segment
- ☐ Extra segment
- ☒ code segment
- ☐ stack segment



✓ 9. which is following option in invalid for execution *

1/1

- ☐ CMP SI,DI
- ☐ CMP BX,CX
- ☐ CMP [SI],BX
- ☒ CMP [CX],[BX]



✓ 10. CL=10000111 BL=10001010 what is result in CL after XOR CL,BL * 1/1

☐ 01001111

☒ 00001101

☐ 10001100

☐ 00010101



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Google Forms

