

TE_B_Online_Test(All Subject)

Total points 50/50



SH2020

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0 of 0 points

Division *

☒ B

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50



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DBMS

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✓ 1. The descriptive property possessed by each entity set is _____ * 1/1

- ☐ Entity
- ☒ Attribute
- ☐ Relation
- ☐ Model



Feedback

physical level

✓ 2. An association among 3 entities is called * 1/1

- ☐ a. Binary relationship
- ☒ b. Ternary relationship
- ☐ c. Recursive relationship
- ☐ d. None of these



✓ 3. A simple attribute is composed of: * 1/1

- ☒ a. Single component with an independent existence
- ☐ b. Multiple components
- ☐ c. Both a & b
- ☐ d. None of these



✓ 4.. What are the components of an ER model *

1/1

- ☐ a. Entity
- ☐ b. Attributes
- ☐ c. Relationship
- ☒ d. All of these



✓ 5. The entity relationship set is represented in E-R diagram as *

1/1

- ☐ double diamonds
- ☐ Undivided rectangles
- ☐ Dashed Line
- ☒ Diamond



✓ 6. an association of several entities in an Entity Relation model is called: * 1/1

- ☐ tuple
- ☐ Record
- ☒ Relationship
- ☐ Field



✓ 7. the attributes made up of more than one single attributes are called : * 1/1

- ☐ Derived Attribute
- ☒ Composite Attribute
- ☐ Single valued attribute
- ☐ Multi valued attribute



✓ 8. The attribute AGE is calculated from DATE_OF_BIRTH. The attribute AGE is: * 1/1

- ☐ single Valued
- ☐ Multi valued
- ☐ Composite
- ☒ Derived



✓ 9. In a relation between the entities the type and condition of the relation should be specified. That is call as _____attribute. * 1/1

- ☐ Derived
- ☐ Recursive
- ☒ Descriptive
- ☐ none



✓ 10. not applicable condition can be represent in relation entry as: * 1/1

- ☐ NA
- ☐ 0
- ☒ null
- ☐ BLANK space



CN

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✓ 1. The TCP/IP _____ layer is equivalent to the combined session, presentation, and application layers of the OSI model. * 1/1

- ☐ Data link
- ☐ Network
- ☐ Physical
- ☒ Application



✓ 2. As the data packet moves from the upper to the lower layers, headers are _____. * 1/1

- ☐ Rearranged
- ☐ Removed
- ☒ Added
- ☐ Modified



✓ 3. The physical layer is concerned with the movement of _____ over the 1/1 physical medium. *

- ☐ dialogs
- ☐ protocols
- ☒ bits
- ☐ programs



✓ 4. To deliver a message to the correct application program running on a 1/1 host, the _____ address must be consulted. *

- ☐ physical
- ☒ port
- ☐ IP
- ☐ none of the above



✓ 5. Ethernet uses a _____ physical address that is imprinted on the 1/1 network interface card (NIC). *

- ☐ 32-bit
- ☒ 6-byte
- ☐ 64-bit
- ☐ none of the above



✓ 6. The _____ layer is the layer closest to the transmission medium. * 1/1

- ☐ Network
- ☐ Transport
- ☒ Physical
- ☐ Data link



✓ 7. The _____ address, also known as the link address, is the address of a node as defined by its LAN or WAN. * 1/1

- ☐ IP
- ☐ port
- ☐ specific
- ☒ physical



✓ 8. In the OSI model, encryption and decryption are functions of the _____ layer. * 1/1

- ☐ application
- ☒ presentation
- ☐ session
- ☐ transport



✓ 9. The _____ layer establishes, maintains, and synchronizes the interactions between communicating devices. *

1/1

- ☒ session
- ☐ physical
- ☐ transport
- ☐ network



✓ 10. The _____ layer is responsible for the source-to-destination delivery of a packet across multiple network links. *

1/1

- ☐ Transport
- ☒ Network
- ☐ Data Link
- ☐ Physical



TCS

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✓ 1]Which of following is true? *

1/1

- ☒ For every finite language, there exists a DFA which accepts the language.
- ☐ For some finite language, there does not exist a DFA which accepts the language.
- ☐ Only finite languages are accepted by DFAs.
- ☐ Every infinite language is accepted by some DFA.



✓ 2]DFA has *

1/1

- ☐ infinitely many state but finitely many accept states.
- ☒ finitely many states.
- ☐ transition function with finite domain and range.
- ☐ transition function with possibly infinite range or domain.



✓ 3]Which of following are true? *

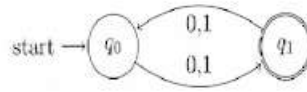
2/2

- ☒ NFA may have ϵ transitions but DFA does not.
- ☐ NFA and DFA both may have ϵ transitions.
- ☐ NFA computes on multiple paths simultaneously.
- ☐ NFA computes on multiple paths but not simultaneously.



✓ 4] Which of following languages are accepted by the given DFA? *

2/2

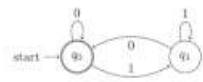


- ☐ All binary strings of even length.
- ☒ All binary strings with odd difference between number of 0 and number of 1. ✓
- ☐ All binary strings of odd length.
- ☐ All binary strings with even difference between number of 0 and number of 1.



✓ 5] Which of following languages are accepted by the given DFA? *

2/2



- ☐ {w | w ends with 0}
- ☐ {w | w contains equal number of 0 and 1}
- ☒ {w | w does not end with 1}
- ☐ {w | w contains 1 and ends with a 0}



✓ 6] Let N be a NFA such that starting state of N is not an accepting state. 1/1
What is the minimum length string that can acceptance *

- ☐ Length of the shortest path from starting state to some accepting state
- ☐ $|Q| - 1$, Where Q is the set of states of N
- ☐ 1
- ☒ 0



✓ 7] $L = \{w \mid w \text{ is a binary number divisibility by 5 tester}\}$ What is the minimum number of states in a DFA for L

1/1

☐ 3☐ 4☒ 5☐ 6

WDL

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test3

✓ 1. Correct HTML tag for the largest heading is *

1/1

☐ <head>☐ <h6>☐ <heading>☒ <h1>

✓ 2. Markup tags tell the web browser *

1/1

☐ How to organise the page☒ How to display the page☐ How to display message box on page☐ None of these

✓ 3. A webpage displays a picture. What tag was used to display that picture? *

1/1

- ☐ picture
- ☐ image
- ☒ img
- ☐ src



✓ 4. Which of the following options is correct with regard to HTML? *

1/1

- ☐ It is a modelling language
- ☐ It is a DTP language
- ☐ It is a partial programming language
- ☒ It is used to structure documents



✓ 5. Apart from tag, what other tag makes text bold? *

1/1

- ☐ <fat>
- ☒
- ☐ <black>
- ☐ <emp>



✓ 6. How can you make a bulleted list with numbers? *

1/1

- ☐ <dl>
- ☒
- ☐ <list>
- ☐



✓ 7.HTML web pages can be read and rendered by _____. *

1/1

- ☐ Compiler
- ☐ Server
- ☒ Web Browser
- ☐ Interpreter



✓ 8. What is the correct HTML for creating a hyperlink? *

1/1

- ☐ A
- ☐ <a>B
- ☒ <a href="<http://www.example.com>">example
- ☐ <a url="<http://www.example.com>">example



✓ 9. What can be correct HTML for adding a background color? * 1/1

- ☒ <body bgcolor="yellow">
- ☐ <background>yellow</background>
- ☐ <body style="background-color:yellow">
- ☐ <background color="yellow">text<background>



✓ 10. How can you open a link in a new browser window? * 1/1

- ☐
- ☐
- ☒
- ☐



MP

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✓ 1. By what factor does the 8284A clock generator divide the crystal oscillator's output frequency? * 1/1

- ☐ One
- ☐ Two
- ☒ Three
- ☐ Four



✓ 2. CSYNC allows synchronization among _____ 8284s.? *

1/1

- ☐ One
- ☐ Two
- ☒ multiple
- ☐ three



✓ 3. PCLK pin provides a clock signal of _____ frequency of the EFl or crystal frequency to the peripheral devices like 8254. *

1/1

- ☒ one-sixth
- ☐ one-fourth
- ☐ one-third
- ☐ one-Eight



✓ 4. The 8288 bus controller chip derives the signals *

1/1

- ☐ ALE
- ☐ DEN
- ☐ DT/R(active low)
- ☒ All of the mentioned



✓ 5. Demultiplexing is accomplished by an _____ whose clock pulse is obtained from the ALE signal. * 1/1

- ☒ 8-bit latch
- ☐ 4-bit latch
- ☐ 16-bit latch
- ☐ None of the mentioned



✓ 6. Each bus cycle is able to read or write data between the microprocessor and the * 1/1

- ☐ memory
- ☒ memory or I/O system
- ☐ I/O system
- ☐ None of the mentioned



✓ 7. The 8284A clock generator provides the system clock (CLK), _____ synchronization * 1/1

- ☒ READY and RESET
- ☐ READY
- ☐ RESET
- ☐ None of the mentioned



✓ 8. Both 8086 and 8088 require a single +5.0 V power supply with a tolerance of _____ * 1/1

- ☐ ±5%.
- ☒ ±10%.
- ☐ ±15%.
- ☐ ±20%.



✓ 9. The master cascade/peripheral data output selects cascade operation for an interrupt controller if _____ * 1/1

- ☒ IOB is grounded
- ☐ IOB is tied high
- ☐ IOB is Null
- ☐ None of the mentioned



✓ 10. Which of the following IC is used as a clock generator for 8086 * 1/1

- ☐ 8087
- ☐ 8288
- ☒ 8284
- ☐ 8294



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