# Online_Test(All Subject)

Total points    40/40    ?

SH2020

Email address *

ameythakur@ternaengg.ac.in

0 of 0 points

◉ Option 1

Division *

B                              ▾

✕   Roll No *

1. 1

2. 2

3. 3

4. 4

5. 5

6. 6

7. 7

8. 8

9. 9

10. 10

11. 11

12. 12

13. 13

14. 14

15. 15

16. 16

17. 17

18. 18

19. 19

20. 20

21. 21

22. 22

23. 23

24. 24

25. 25

26. 26

27. 27

28. 28

29. 29

30. 30

31. 31

32. 32

33. 33

34. 34

35. 35

36. 36

37. 37

38. 38

39. 39

40. 40

41. 41

42. 42

43. 43

44. 44

45. 45

46. 46

47. 47

48. 48

49. 49

50. 50                                                                    ✕

51. 51

52. 52

53. 53

54. 54

55. 55

56. 56

57. 57

58. 58

59. 59

60. 60

61. 61

62. 62

63. 63

64. 64

65. 65

66. 66

67. 67

68. 68

69. 69

70. 70

71. 71

72. 72

73. 73

74. 74

75. 75

76. 76

77. 77

78. 78

79. 79

80. 80

81. 81

Correct answer

1

Student Name *

Amey Thakur

**DBMS**                                                              **8 of 8 points**

✓   1. the level of data abstraction which describes how the data is actually    1/1
    stored is: *

○   conceptual level

◉   physical level                                                        ✓

○   file level

○   none of the above

**Feedback**

*physical level*

✓ **2. A data model is: ***                1/1

○ set of basic operations on the database

◉ used to describe structure of a database.       ✓

○ both of the above

○ none of the above

**Feedback**

*describes structure of the database*

✓ **3. Which of the following is an advantage of using a database system ***    1/1

◉ a)all othe below                         ✓

○ b)Security can be enforced

○ c) Redundancy can be avoided

○ d)Reduced inconsistency

✓ **4.Users who query and update a database by using pre-written application programs are called: ***    1/1

○ Special users

○ Sophisticated users

◉ Naive users                              ✓

○ System analysts

✓ 5. The person who has the central control over data and application                   1/1
programs is: *

○ System analyst

◉ DBA                                                                                              ✓

○ Database designer

○ None

✓ 6. Which of the following schemas defines the stored data structures for    1/1
the database model used *

◉ Conceptual                                                                                       ✓

○ External

○ Internal

○ None

✓ 7. Which component of the DBMS architecture handles the authorization    1/1
of users *

○ Query processor

◉ Storage manager                                                                                  ✓

○ User interface

✓ 8. Which of the following statement is correct ? Student (Roll_no,Name,    1/1
Phone number)Retrive name and Phone number from student table. *

◉ Select name, phone number from student;            ✓

○ Select * from student;

○ Select name from student;

○ Select phone number ,rollno from student;

---

CN            8 of 8 points

✓ 1. The _____ created a model called the Open Systems Interconnection,    1/1
which allows diverse systems to communicate. *

○ IEEE

◉ ISO            ✓

○ OSI

○ None of the above

---

✓ 2. The _____ layer changes bits into electromagnetic signals. *    1/1

◉ A) Physical            ✓
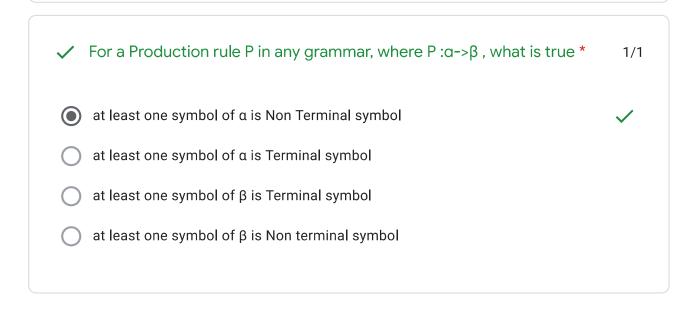
○ B) Transport

○ C) Data link

○ D) None of the above

✓ 3. The _____ is the physical path over which a message travels. *     1/1

○ A) Protocol

◉ B) Medium                                      ✓

○ C) Signal

○ D) All of the above

---

✓ 4. The _____ layer is responsible for moving frames from one hop (node) 1/1
to the next. *

○ A) transport

◉ B) data link                                      ✓

○ C) physical

○ D) none of the above

---

✓ 5. An unauthorised user is a network _____ Issue. *        1/1

○ A) Performance

○ B) Reliability

◉ C) Security                                      ✓

○ D) All of the above

✓ **6. Before Data can be transmitted, they must be transformed to _____. \*** 　　1/1

○ A) periodic signals

⦿ B) electromagnetic signals　　　　　　　　　　　　　　　　✓

○ C) aperiodic signals

○ D) low frequency sine waves.

---

✓ **7. A periodic signal completes one cycle in 0.001 s. What is the frequency? \*** 　　1/1

○ A) 1 Hz

○ B) 100 Hz

⦿ C) 1 KHz　　　　　　　　　　　　　　　　✓

○ D) 1 MHz

---

✓ **8. In a Time-domain plot, the horizontal axis is a measure of _____. \*** 　1/1

○ A) signal amplitude

○ B) frequency

○ C) phase

⦿ D) time　　　　　　　　　　　　　　　　✓

TCS　　　　　　　　　　　　　　　　　　　　　　　7 of 7 points

For given language L(G)={$a^m b^n$ : n,m = 1, 2,...}, state which strings can not be generated *

○ a

○ aaab

○ aaabbbb

○ ab

---

✓ For given language L(G)={$a^n b^n$ : n =0, 1, 2,...}, state which strings can not   1/1
be generated *

○ empty

○ ab

○ aabb

◉ bbbaaa   ✓

---

✓ For a Production rule P in any grammar, where P :α->β , what is true *   1/1

◉ at least one symbol of α is Non Terminal symbol   ✓

○ at least one symbol of α is Terminal symbol

○ at least one symbol of β is Terminal symbol

○ at least one symbol of β is Non terminal symbol

✓ A grammar G can be formally written as a 4-tuple ------------ * 1/1

◉ V,T, S,P ✓

◯ NT, P,S,Q

◯ R,P,Q,S

◯ S,P,R,T

✓ Select what is true among following * 1/1

◉ Non Terminal and variable i.e. NT and V means same ✓

◯ P is starting symbol of a grammar

◯ Terminal symbols are written in capital letters

◯ We can derive productions from terminal symbol

✓ Given a NFA with N states, the maximum number of states in an equivalent minimized DFA is at least. 1/1

◯ N^2

◉ 2^N ✓

◯ 2N

◯ N!

✓   **Languages of a automata is**      1/1

- ⦿ If it is accepted by automata      ✓
- ○ If it halts
- ○ If automata touch final state in its life time
- ○ All language are language of automata

✓   **Number of states require to simulate a computer with memory capable**    1/1
**of storing '3' words each of length '8'.**

- ○ 3 * 28
- ⦿ 2(3*8)      ✓
- ○ 2(3+8)
- ○ None of the mentioned

**WDL**      8 of 8 points

✓   **1. What are structural components of WWW ***      1/1

- ○ a) Internet
- ○ b) Servers
- ○ c) Client/browsers, servers, internet
- ⦿ d) Client/browsers, servers, internet, catches      ✓

✓ 2. HTTP stands for * 1/1

○ a) Hypertext transfer port

◉ b) Hypertext transfer protocol ✓

○ c) Hypertext transfer presentation

○ d) Hypertext terminal port

✓ 3. There are how many heading tags are there in HTML * 1/1

○ a) H1,h2,h3,h4

◉ b) H1,h2,h3,h4,h5,h6 ✓

○ c) H1,h2,h3,h4,h5,h6,h7,h8

○ d) H1,h2,h3

✓ 4. HTML document contains * 1/1

○ a) Tags

○ b) Plain text

◉ c) Plaintext and tags ✓

○ d) None of the above

✓ 5. Who is making the Web standards? *　　　　　　1/1

○ a) Microsoft

○ b) Google

⦿ c) World wide web consortium　　　　　　　　✓

○ d) Mozilla

✓ 6. Choose the correct HTML element for the largest heading: *　　　1/1

⦿ a) <H1>　　　　　　　　　　　　　　　　✓

○ b) <head>

○ c) <heading>

○ d) <h6>

✓ 7. What is the correct HTML element for inserting a line break? *　　1/1

○ a) <lb>

○ b) <break>

⦿ c) <br>　　　　　　　　　　　　　　　　✓

✓ 8. What is the correct HTML for creating a hyperlink? * 1/1

○ a) <a>http://www.google.com</a>

○ b) <a url="http://www.google.com"> http://www.google.com</a>

◉ c) <a href="http://www.google.com"> google</a> ✓

○ d) <a name="http://www.google.com"> google</a>

MP 9 of 9 points

✓ 1. The clock rate of microprocessor 8086 is _____ * 1/1

○ 5 MHZ

○ 8 MHZ

○ 10 MHZ

◉ All of the mentioned ✓

✓ 2.Stack Pointer is decremented by 2 , for following operation in 8086 * 1/1

○ DIV

○ POP

◉ PUSH ✓

○ None of above

✓  3. The size of each segment in 8086 is: *                          1/1

◉  64 kb                                                             ✓

○  50 kb

○  24 kb

○  16kb

✓  4. The _____ address of a memory is a 20-bit address for the 8086        1/1
    microprocessor: *

○  Logical

◉  Physical                                                          ✓

○  Both

○  None of these

✓  5. Which register contains the 8086/8088 flag? *                   1/1

◉  Status register                                                   ✓

○  Stack register

○  Flag register

○  Stand register

✓   6. If MN/MX is low the 8086 operates in _____ mode. *                    1/1

○   Minimum

◉   Maximum                                                                          ✓

○   Both a and b

○   Medium

✓   7. BHE of 8086 microprocessor signal is used to interface the____ *              1/1

○   I/O

○   DMA

○   Even bank memory

◉   Odd bank memory                                                                  ✓

✓   8. INTR pin of a microprocessor 8086 is used_____ *                            2/2

○   To indicate that processor is ready to receive i/o cammands

◉   To indicate that processor is ready to receive interrupts                       ✓

○   To provide direct memory access.

○   To introduce wait states

This form was created inside of Terna.

Google Forms