

**UNSOLVED**

Computer Science	9th Class (2022)	Lahore Board
Time: 1:45 Hours	Subjective Type	Marks:40

**Part – I**

**2 Write short answers to any Four (4) questions: 8**

- i. Why RAM is called a volatile memory
- ii.  $(1024)_{16}$  hexadecimal convert into decimal number system.
- iii. Define flowchart.
- iv. What is boundary test data?
- v. Define secondary memory.
- vi. What is byte?

**3 Write short answers to any Four (4) questions: 8**

- i. Draw truth table using NOT operator.
- ii. Define commutative law.
- iii. Define logical expressions.
- iv. What is meant by hardware sharing?
- v. Write types of connections.
- vi. How to connect client and server with each other on internet.

**4 Write short answers to any Four (4) questions: 8**

- i. Write a code of HTML of font size of text 24 "Punjab".
- ii. How many types of list in HTML?
- iii. Define rowspan.
- iv. Define table.
- v. Differentiate between integrity and confidentiality.
- vi. What is purpose of password?

**Part – II**

**Note: Attempt any TWO questions.**

- 5** What is meant by defining a problem?  
Also explain understanding a problem. 4,4
- 6** Write a note on star and ring topology 4,4
- 7** Why we use data encoding?  
Also write any three data security issues. 2,6