

**Lahore Board 2021**

**Class 9<sup>th</sup>**

**Computer Science**

**Group - I**

1. Total number of logical operators are:

- (A) 1
- (B) 3
- (C) 4
- (D) 2

2. A computer network I used in \_\_\_\_\_ time.

- (A) Software
- (B) Cycle
- (C) Program
- (D) Computer

3. \_\_\_\_\_ links allow you to go from one part of the same page to another part.

- (A) Hyperlink
- (B) Anchor
- (C) Hypertext
- (D) Tag

4. In a flowchart, diamond symbol represents \_\_\_\_\_

- (A) Input / Output
- (B) Decision
- (C) Processing
- (D) Connector

5. Before problem solving, we need to first \_\_\_\_\_ problem.

- (A) Analysis
- (B) Determine
- (C) Understanding

(D) Planning

6. Temporary memory is volatile and permanent memory is \_\_\_\_\_

(A) Non-volatile

(B) Semi volatile

(C) Memory

(D) RAM

7. Which tag is used to create a hyperlink in a web page.

(A) < a >

(B) < b >

(C) < p >

(D) < h >

8. \_\_\_\_\_ is a cyber attack to make machine or network resources unavailable for a user.

(A) DOS

(B) Phishing

(C) Hacking

(D) Piracy

9. The IPV4 address is made up of \_\_\_\_\_ binary bits.

(A) 31

(B) 29

(C) 32

(D) 30

10. Service of internet provide us \_\_\_\_\_

(A) HTTP

(B) ISF

(C) TCP

(D) SMTP

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**Q2. Write short answers to any Four (4) questions: 8**

- i. Which five questions are necessary to understand a problem?
- ii. What is prototype?
- iii. What is meant by candid solution?
- iv. What is the purpose of using the terminal symbol in flowchart?
- v. What is meant by mark-up language?
- vi. Write down the name of tags types that are used in HTML document.

**Q3. Write short answers to any Four (4) questions: 8**

- i. How to convert binary number to a decimal number? Explain with an example.
- ii. Define memory and write the name of its types.
- iii. What is proposition? Explain with example.
- iv. What is meant by decimal number system?
- v. What is counterfeiting?
- vi. What is meant by hard disk loading?

**Q4. Write short answers to any Four (4) questions: 8**

- i. What is network of network? Give one example.
- ii. What is meant by message in data communication?
- iii. Write a note on file transfer protocol FTP?
- iv. Write is protocol?
- v. What is hyperlink?
- vi. What is meant by head section?

**PART - II**

**Note: Attempt any Two questions. 16**

**Q5. How do you determine the requirements for a flowchart? Write in detail. 8**

- Q6. Define computer network model. Explain its any three layers. 8
- Q7. What is cybercrime? Explain its any three types. 8

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Group - II

1. IPv4 is divided in \_\_\_\_\_ groups.

(A) 2

(B) 4

(C) 6

(D) 8

2. \_\_\_\_\_ tag makes the enclosed text bold.

(A) < bold >

(B) < b >

(C) < br >

(D) < bj >

3. Which symbol in the flowchart is used to either start or end the flowchart.

(A) Terminal

(B) Connector

(C) Process

(D) Decision

4. A password contains at least how many characters long:

(A) 6

(B) 8

(C) 14

(D) 18

5. For  $(A)_{16}$  the binary value is \_\_\_\_\_

(A) 1111

(B) 0010

(C) 1010

(D) 0011

6. Routing is process of taking data from one device and sending it to another device is different \_\_\_\_\_

- (A) Channel
- (B) Network
- (C) Path
- (D) Area

7. One giga byte is equal to \_\_\_\_\_

- (A) 1024 MB
- (B) 1024 KB
- (C) 1024 TB
- (D) 1024 PB

8. Which language is used to make website:

- (A) Java
- (B) C + +
- (C) VB
- (D) HTML

9. \_\_\_\_\_ is the process of encoding data.

- (A) Sabotage
- (B) Patent
- (C) Confidentially
- (D) Availability

10. Which solution is not reached through proper algorithm or work planning:

- (A) Prepared solution
- (B) Candid solution
- (C) Strategized solution
- (D) Best solution

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**Group - II**

- Q2. Write short answers to any Four (4) questions:** **8**
- i. Write down strategies for planning a solution.
  - ii. Write the importance of flowchart in problem solving.
  - iii. What is the problem analysis?
  - iv. Write the basis of two metrics for efficiency of algorithm.
  - v. What are the singular tags?
  - vi. Write the tag for line breaking.
- Q3. Write short answers to any Four (4) questions:** **8**
- i. What is meant by number system?
  - ii. What is meant by volatile memory?
  - iii.  $(11000001)_2$  convert into hexadecimal.
  - iv. Define the byte.
  - v. What is meant by hard-disk loading?
  - vi. What is counterfeiting?
- Q4. Write short answers to any Four (4) questions:** **8**
- i. Define computer network.
  - ii. Define the protocol.
  - iii. What is hyperlink?
  - iv. Write a note on file transfer protocol FTP.
  - v. What is meant by body section in HTML?
  - vi. How to write heading and sub-headings in an HTML document?

**PART - II**

- Note: Attempt any Two questions.** **16**
- Q5. Explain any four symbols of flowchart in detail. **8**
- Q6. Explain routing process in detail. **8**

Q7. What is meant by encryption? Also explain the importance of encryption for everyday life on the internet.

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