

2021- Class 9th
(Computer)
(Group I)

1. _____ links allow you to go from one part of the same page to another part.

- (A) Hyperlink
- (B) Anchor
- (C) Hyper text
- (D) Tag

2. Service of internet provide us _____.

- (A) HTTP
- (B) ISP
- (C) TCP
- (D) SMTP

3. The IPV\$ address is made up of _____ binary bits.

- (A) 31
- (B) 29
- (C) 32
- (D) 30

4. A computer network is used in _____ crime.

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

5. Temporary memory is volatile and permanent memory is _____.

- (A) Non-volatile
- (B) Semi-volatile
- (C) Memory
- (D) RAM

6. What tag is used to create a hyper link in a web page?

- (A) < a >
- (B) < b >
- (C) < p >
- (D) < hr >

7. In a flowchart, diamond symbol represents _____.

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

8. Total number of logical operators are:

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

(D) 2

9. _____ is a cyberattack to make machine or network resources unavailable for a user.

(A) DOS

(B) Phishing

(C) Hacking

(D) Piracy

10. Before problem solving, we need to first problem

(A) Analysis

(B) Determine

(C) Un-understanding

(D) Planning

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Q. No. 2: Write short answers of any FOUR (4) question: (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.

Q. No 3: Write short answers of any FOUR (4) question: (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?

Q. No. 4: Write short answers of any FOUR (4) question: (8)

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

NOTE: Attempt any two (2) questions:

- How do you determine the requirements for a flowchart? Write in detail. 8
- Define computer network model. Explain its any three layer. 8
- What is cybercrime? Explain its types. 8

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Q1:

1. _____ tag makes the enclosed text bold.
 - A. <bold>
 - B.
 - C.

 - D. <bd>
2. Routing is process of taking data from one device and sending it to another device in different _____.
 - A. channel
 - B. Network
 - C. Path
 - D. Area
3. IPV4 is divided in _____ groups.
 - A. 2
 - B. 4
 - C. 6
 - D. 8
4. _____ is the process of encoding data.
 - A. Sabotage
 - B. Patent
 - C. Confidentially
 - D. Availability
5. Which solution is not reached through proper algorithm or work planning?
 - A. Prepared solution
 - B. Candid solution
 - C. Strategized solution
 - D. Best solution
6. Which language is used to make website?
 - A. Java
 - B. C++
 - C. VB
 - D. HTML
7. For(A)₁₆ the binary value is _____.
 - A. 1111
 - B. 0010
 - C. 1010

D. 0011

8. Which symbol in the flow chart is used to either start or end the flowchart?

- A. Terminal
- B. Connector
- C. Process
- D. Decision

9. A password contains at least how many characters long?

- A. 6
- B. 8
- C. 14
- D. 18

10. One giga byte is equal to__.

- A. 1024MB
- B. 1024KB
- C. 1024TB
- D. 1024 PB

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Q. No.2: Write short answers of any FOUR (4) questions: (8)

- i. Write two 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 of efficiency of algorithm.
- v. What are the singular tags?
- vi. Write the tag for line breaking.

Q. No.3: Write short answers of 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 byte.
- v. What is meant by hard-disk loading?
- vi. What is counterfeiting?

Q. No.4: Write short answers of 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 headings and sub-headings in an HTML document?

Part - II

NOTE: Attempt any two questions.

- i. Explain any four symbols of flow chart in detail. 8
- ii. Explain routing process in detail. 8
- iii. What is meant by encryption? Also explain the importance of encryption for everyday life on the internet.