

Class X – Computer Applications

ANSWER KEY – SET 7

Section A – MCQ Answers (1 × 20 = 20)

1. (b) <h6>
 2. (a) Hyper Text Transfer Protocol
 3. (b) Switch
 4. (c) int()
 5. (c) Hyperlink
 6. (b) and
 7. (a) Trojan
 8. (c) Large geographical area
 9. (a) Table row
 10. (c) elif
 11. (a) Google Chrome
 12. (b) #
 13. (b)
 14. (a) Phishing
 15. (b) input()
 16. (b) ==
 17. (b) Encryption
 18. (c) MAN
 19. (b) Image
 20. (b) CPU
-

Section B – Very Short Answers (2 Marks Each)

1. Define World Wide Web (WWW).

World Wide Web internet par available interconnected web pages ka system hai jise web browser ki madad se access kiya jata hai.

2. What is a Firewall?

Firewall ek security system hai jo unauthorized access ko rokta hai aur network ko protect karta hai.

3. Define Boolean Data Type in Python.

Boolean data type sirf do values store karta hai – True aur False.

4. Use of <hr> Tag

<hr> tag webpage me horizontal line insert karne ke liye use hota hai.

5. Define Cyber Ethics.

Cyber Ethics internet ka responsible aur moral use karne ke rules hote hain.

6. What is E-Commerce?

E-Commerce internet ke madhyam se goods aur services ko kharidna aur bechna hota hai.

Section C – Short Answers (3 Marks Each)

1. Structure of HTML Document

HTML document ke main parts:

- <html> – Root element
- <head> – Title aur meta information
- <title> – Webpage ka title

- `<body>` – Visible content

OR

Services Provided by Internet

1. Email service
 2. Online Banking
 3. E-Commerce
 4. Video Conferencing
-

2. HTML Table Description

Table data ko rows aur columns me show karta hai.
Isme `<table>`, `<tr>`, `<th>`, `<td>` tags use hote hain.

3. Logical Operators in Python

Logical operators conditions ko combine karne ke liye use hote hain:

- `and` – Dono conditions true hone par
 - `or` – Kisi ek condition true hone par
 - `not` – Condition ko reverse karta hai
-

4. Simple Interest Logic

Simple Interest ka formula hota hai:

$$SI = (P \times R \times T) / 100$$

User se Principal, Rate aur Time input liya jata hai aur formula apply karke interest calculate kiya jata hai.

5. Difference Between HTTP and FTP

- HTTP webpages transfer karta hai.
- FTP files transfer karta hai.
- HTTP web browsing ke liye use hota hai.
- FTP file uploading/downloading ke liye use hota hai.

6. Types of Networks

LAN – Small area (school, office)

MAN – City level network

WAN – Large geographical area

7. Three Cyber Safety Measures

1. Strong passwords use karein
 2. Unknown links par click na karein
 3. Antivirus software install karein
-

8. Decision-Making Statements in Python

Decision making ke liye if, if-else aur if-elif-else statements use hote hain.

Ye condition ke base par execution decide karte hain.

Section D – Long Answers (5 Marks Each)

1. Positive, Negative or Zero Logic

User se number input liya jata hai.

If condition se check kiya jata hai:

- Number > 0 → Positive
- Number < 0 → Negative
- Number = 0 → Zero

Is tarah program number ki category identify karta hai.

2. HTML Webpage Structure

Webpage me following elements honge:

- Heading “Science Exhibition”
- Ek paragraph
- Ek image

- Ek unordered list

Basic structure me <html>, <head>, <body> tags use hote hain.

3. Types of Malware

1. Virus – File ko infect karta hai aur damage karta hai.
 2. Worm – Network me automatically spread hota hai.
 3. Trojan – Fake software ke roop me aata hai aur data chura sakta hai.
-

4. Loops in Python

Python me do main loops hote hain:

1. For Loop – Fixed repetition ke liye
2. While Loop – Jab tak condition true ho tab tak repeat karta hai

Loops repetitive tasks ke liye use hote hain.

Section E – Case Study Answers

Case Study 1

- a) <a> tag
 - b) Web Hosting ek service hai jo website files ko server par store karti hai taaki internet par access ho sake.
-

Case Study 2

- a) elif statement multiple conditions check karne ke liye use hota hai.
- b) + (Addition operator)