

Class X – Computer Applications

Answer key

(SET- 10)

Section A – MCQ Answers (1 × 20 = 20)

1. (c) <body>
2. (b) Metropolitan Area Network
3. (b) SMTP
4. (b) if
5. (b) /
6. (b) **
7. (b) Modem
8. (c)
9. (b) int
10. (b) HTTPS
11. (b) <th>
12. (b) input()
13. (c) WAN
14. (c) %
15. (d) All of these
16. (b) Insert line break
17. (b) for
18. (b) Moral principles of online behavior
19. (b) .html
20. (b) CPU

Section B – Very Short Answers (2 Marks Each)

1. Define Internet.

Internet ek global network hai jo duniya bhar ke computers ko connect karta hai aur information exchange karne ki suvidha deta hai.

2. What is Web Hosting?

Web Hosting ek service hai jo website ki files ko server par store karti hai taaki website internet par accessible ho sake.

3. Define Boolean Data Type in Python with Example.

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

4. Purpose of <title> Tag

<title> tag webpage ka title define karta hai jo browser ke title bar me display hota hai.

5. Define Phishing.

Phishing ek cyber crime hai jisme fake email ya website ke through personal information chura li jati hai.

6. What is E-Governance?

E-Governance ka matlab government services ko internet ke madhyam se provide karna hota hai.

Section C – Short Answers (3 Marks Each)

1. Structure of HTML Document

HTML document ke main parts hote hain:

- <html> – Root element

- <head> – Title aur meta information
- <title> – Page ka title
- <body> – Visible content

OR

Features of Internet

1. Global connectivity
 2. Fast communication
 3. Online services
 4. Easy access to information
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2. Ordered List Description

Ordered list numbers ke form me items show karta hai.
Isme aur tags use hote hain.

3. Arithmetic and Relational Operators

Arithmetic Operators:

- Addition
- Subtraction
- Multiplication
/ Division
% Modulus

Relational Operators:

==, !=, >, <, >=, <=

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 LAN, MAN and WAN

- LAN small area me use hota hai.
 - MAN city level network hota hai.
 - WAN large geographical area cover karta hai.
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6. Types of Malware

1. Virus – File ko infect karta hai.
 2. Worm – Network me automatically spread hota hai.
 3. Trojan – Fake software ke roop me aata hai.
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7. Three Rules of Cyber Safety

1. Strong password use karein
 2. Unknown links par click na karein
 3. Personal information share na karein
-

8. Decision-Making Statements in Python

Decision making ke liye if, if-else aur if-elif-else statements use hote hain.
Ye condition check karke execution decide karte hain.

Section D – Long Answers (5 Marks Each)

1. Even or Odd Logic

User se number input liya jata hai.
Number ko 2 se divide karke remainder check kiya jata hai.
Agar remainder 0 ho to Even, warna Odd.

2. HTML Webpage Structure

Webpage me following elements honge:

- Heading “Republic Day Celebration”

- Ek paragraph
- Ek image
- Ek hyperlink

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

3. Types of Cyber Crimes

1. Hacking
 2. Phishing
 3. Identity Theft
 4. Cyber Bullying
 5. Malware Attack
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4. Loops in Python

Python me do main loops hote hain:

1. For Loop – Fixed repetition ke liye
 2. While Loop – Condition true hone tak repeat karta hai
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Section E – Case Study Answers

Case Study 1

- a) <a> tag
 - b) HTTPS secure communication ke liye encryption use karta hai jisse data safely transfer hota hai.
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Case Study 2

- a) input() function
- b) * (Multiplication operator)