Class X – Computer Applications

ANSWER KEY – SET 6

Section A – MCQ Answers (1 × 20 = 20)

1. (c) <h1>
2. (b) POP3
3. (b) Router
4. (b) for
5. (c) src
6. (c) Internet
7. (b) **
8. (b) Paragraph
9. (a) Hacking
10. (c) bool
11. (c) <th>
12. (b) print()
13. (b) Local Area Network
14. (a) File Transfer Protocol
15. (b) <input>
16. (b) if
17. (b) Encryption
18. (a) //
19. (a) Amazon
20. (c) HTML

Section B – Very Short Answers (2 Marks Each)

1. Define Web Browser.

Web Browser ek software application hai jo internet par available webpages ko access aur display karta hai.

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2. What is a Modem?

Modem ek device hai jo digital signals ko analog me aur analog ko digital me convert karta hai taaki internet connection establish ho sake.

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3. Define Variable in Python.

Variable ek naam hota hai jo memory location ko represent karta hai jisme data store hota hai.

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4. What is Cyber Bullying?

Cyber Bullying internet ya social media ke through kisi vyakti ko pareshan karna ya insult karna hota hai.

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5. Use of
 Tag

 tag line break dene ke liye use hota hai.

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6. Define 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. Basic Structure of HTML Document

HTML document ke main parts:

- <html> – Root element
- <head> – Title aur meta data

- <title> – Webpage ka title
- <body> – Visible content

OR

Features of World Wide Web

1. Hyperlink based structure
2. Multimedia support
3. Easy navigation
4. Global accessibility

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2. Unordered List Description

Unordered list bullet points me items show karta hai.
Isme <ul> aur <li> tags use hote hain.

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3. Arithmetic Operators in Python

- Addition
- Subtraction
- Multiplication
  / Division
  % Modulus
  ** Exponentiation

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4. Perimeter of Rectangle Logic

Rectangle ka perimeter = 2 × (Length + Breadth).
User se input liya jata hai aur formula apply karke result display kiya jata hai.

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5. Difference Between Virus and Trojan

- Virus host file ko infect karta hai.
- Trojan fake software ke roop me aata hai aur data chura sakta hai.

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6. Advantages of Cloud Computing

1. Data anywhere access ho sakta hai

2. Cost effective

3. Automatic backup

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7. Types of Networks

LAN – Small area
MAN – City level
WAN – Large geographical area

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8. Three Rules of Netiquette

1. Respectful language use karein

2. Personal data share na karein

3. Fake information spread na karein

Section D – Long Answers (5 Marks Each)

1. Divisible by 3 Logic

User se number input liya jata hai.
Number ko 3 se divide karke remainder check kiya jata hai.
Agar remainder 0 ho to number divisible hai.

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2. HTML Webpage Structure

Webpage me:

- Heading "My Favourite Teacher"

- Ek paragraph

- Ek image

- Ek hyperlink

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

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3. Types of Cyber Crimes

1. Hacking – Unauthorized access

2. Phishing – Fake email ke through data chori

3. Identity Theft – Personal data misuse

4. Cyber Bullying – Online harassment

5. Malware Attack – Virus, Worm, Trojan

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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

Loops repetition ke liye use hote hain.

Section E – Case Study Answers

Case Study 1

a) <form> tag
b) HTTPS secure communication ke liye encryption use karta hai.

Case Study 2

a) input() function
b) == (Equal to operator)