Class X – Computer Applications

ANSWER KEY – SET 3

Section A – MCQ Answers (1 × 20 = 20)

1. (b) Hyper Text Markup Language

2. (b) <title>

3. (a) SMTP

4. (c) MS Excel

5. (b) int()

6. (a) Table heading

7. (b) MAN

8. (b) %

9. (b) <p>

10. (b) Passwords & personal data

11. (c) while

12. (b) Visible content

13. (b) Router

14. (b) Respectful online behaviour

15. (c) float

16. (b) Ctrl + C

17. (a) File Transfer Protocol

18. (b) Loops & if statements

19. (a) <form>

20. (a) Crime using computer/internet

Section B – Very Short Answers (2 Marks Each)

1. Define Web Hosting.

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

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2. What is a Router?

Router ek networking device hai jo different networks ko connect karta hai aur data packets ko sahi destination tak pahunchata hai.

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3. Two Differences Between HTTP and HTTPS

- HTTP secure nahi hota, HTTPS secure hota hai.
- HTTPS encryption use karta hai, HTTP nahi karta.

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4. Define Boolean Data Type.

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

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5. What is Spam Mail?

Spam mail unwanted ya advertising email hoti hai jo bina permission ke bheji jati hai.

**6. Purpose of
 Tag**

 tag line break dene ke liye use hota hai.

Section C – Short Answers (3 Marks Each)

1. Structure of HTML Document

HTML document me following parts hote hain:

- <html> – Main container
- <head> – Title aur meta information
- <title> – Webpage ka title

- <body> – Visible content

OR

Features of Internet

1. Fast communication

2. Global connectivity

3. Easy information access

4. Online services (banking, shopping)

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2. HTML Table Description

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

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3. Arithmetic Operators in Python

-
    - Addition

-
    - Subtraction

-
    - Multiplication

- / Division

- % Modulus

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4. Area of Rectangle Program Logic

Rectangle ka area = Length × Breadth.
User se input liya jata hai aur multiplication karke result display kiya jata hai.

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5. Difference Between LAN and WAN

- LAN chhote area me use hota hai.

- WAN bade geographical area me use hota hai.

- LAN fast hota hai, WAN comparatively slow hota hai.

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6. Types of Malware

1. Virus – System ko damage karta hai.

2. Worm – Network me spread hota hai.

3. Trojan – Fake software ke roop me aata hai.

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7. Conditional Statements in Python

Conditional statements decision making ke liye use hote hain.
Example: if, if-else, if-elif-else.

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8. Advantages & Disadvantages of Internet

Advantages:

1. Fast communication

2. Online education

3. Online services

Disadvantages:

1. Cyber crime

2. Addiction

3. Privacy risk

Section D – Long Answers (5 Marks Each)

1. Positive, Negative or Zero Program Logic

User se number input liya jata hai.
If condition se check kiya jata hai:

- Number > 0 → Positive

- Number < 0 → Negative

- Number = 0 → Zero

2. HTML Webpage Structure

Webpage me:

- Heading "My School"

- Paragraph about school

- Image insert

- Hyperlink add

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

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3. Intellectual Property Rights (IPR)

IPR creative works ko protect karta hai jaise software, inventions, music etc.
Ye unauthorized copying se protection deta hai.
IPR innovation ko encourage karta hai.

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4. Types of Networks

1. LAN – Local Area Network

2. MAN – Metropolitan Area Network

3. WAN – Wide Area Network

LAN small area me, MAN city level, WAN worldwide use hota hai.

Section E – Case Study Answers

Case Study 1

a) <input> tag
b) print() function

Case Study 2

a) Phishing
b) Unknown links par click na karein / Personal details share na karein