

Class X – Computer Applications

ANSWER KEY – SET 8

Section A – MCQ Answers (1 × 20 = 20)

1. (b) <p>
 2. (a) Post Office Protocol Version 3
 3. (b) Modem
 4. (c) break
 5. (c) href
 6. (c) Network covering a city
 7. (a) -
 8. (b) Metadata
 9. (c) Ab@1239
 10. (b) float
 11. (c) <td>
 12. (a) SMTP
 13. (a) Online tax payment
 14. (a) or
 15. (a) <form>
 16. (c) WAN
 17. (c) float()
 18. (b) <hr>
 19. (a) Identity theft
 20. (b) .html
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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 a Switch?

Switch ek networking device hai jo LAN me multiple devices ko connect karta hai aur data ko sahi destination tak pahunchata hai.

3. Define Loop in Python.

Loop ek control structure hai jo kisi code ko tab tak repeat karta hai jab tak given condition true ho.

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 emails ya websites ke through personal information chura li jati hai.

6. What is Cloud Storage?

Cloud Storage ek online storage service hai jahan data internet ke madhyam se remote servers par store hota hai.

Section C – Short Answers (3 Marks Each)

1. Basic 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

Advantages of Internet

1. Fast communication
 2. Online education
 3. E-commerce 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.

Example fruits: Apple, Mango, Banana, Orange, Grapes.

3. Arithmetic Operators in Python

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

4. Area of Circle Logic

Circle ka area formula:

$$\text{Area} = \pi \times r \times r$$

User se radius input liya jata hai aur formula apply karke area calculate kiya jata hai.

5. Difference Between Virus and Worm

- Virus ko spread hone ke liye host file ki zarurat hoti hai.
 - Worm independent hota hai aur network me automatically spread hota hai.
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6. Services Provided by E-Commerce

1. Online shopping
 2. Online payment
 3. Product delivery tracking
 4. Customer support
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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. Relational Operators in Python

Relational operators comparison ke liye use hote hain:

- == Equal to
 - != Not equal to
 - Greater than
 - < Less than
 - = Greater than or equal to
 - <= Less than or equal to
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Section D – Long Answers (5 Marks Each)

1. Divisible by 7 Logic

User se number input liya jata hai.

Number ko 7 se divide karke remainder check kiya jata hai.

Agar remainder 0 ho to number 7 se divisible hai.

2. HTML Webpage Structure

Webpage me following elements honge:

- Heading “Environment Day”
- Ek paragraph
- Ek image
- Ek hyperlink

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

3. Types of Networks

1. LAN – Local Area Network (Small area)
2. MAN – Metropolitan Area Network (City level)
3. WAN – Wide Area Network (Large geographical area)

LAN fast aur limited area me use hota hai, WAN worldwide connectivity provide karta hai.

4. 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 E – Case Study Answers

Case Study 1

- a) HTTPS ka full form hai Hyper Text Transfer Protocol Secure.
 - b) HTTPS secure hai kyunki yeh encryption use karta hai jisse data safely transfer hota hai.
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Case Study 2

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