

CBSE Class 10 – Computer Applications

(SET- 1) –ANSWER KEY

Section A – MCQ Answers (1 × 20 = 20)

1. (b) Hyper Text Markup Language
2. (b) <a>
3. (c) POP3
4. (b) <tr>
5. (c) MS Word
6. (b) str
7. (b) Input
8. (c) Encryption
9. (b) Online harassment
10. (b) #
11. (b) Unordered list
12. (a) Ideas & Creations
13. (a) Local Area Network
14. (c) +
15. (b) src
16. (c) Letters, numbers & symbols
17. (a) HTTP
18. (c) for
19. (a) Online fraud
20. (b) CPU

Section B – Very Short Answers (2 Marks Each)

1. Define Internet.

The Internet is a global network of interconnected computers that allows sharing of information and communication worldwide.

2. What is Netiquette?

Netiquette refers to the rules and guidelines for polite and responsible behavior while using the internet.

3. Define Variable in Python.

A variable is a name given to a memory location used to store data.

Example:

```
x = 10
```

4. Use of <form> Tag

The <form> tag is used to collect user input such as name, email, password etc.

5. Define Cyber Crime.

Cyber crime refers to illegal activities performed using computers or the internet such as hacking, phishing, identity theft etc.

6. What is URL?

URL (Uniform Resource Locator) is the address of a webpage on the internet.

Section C – Short Answers (3 Marks Each)

1. LAN, MAN, WAN

- **LAN:** Local Area Network covers small area like school.
 - **MAN:** Metropolitan Area Network covers a city.
 - **WAN:** Wide Area Network covers large geographical area (e.g., Internet).
-

2. Difference Between and

Ordered list Unordered list

Uses numbers Uses bullets

Example:

```
<ol>
<li>Maths</li>
</ol>
```

3. Basic Data Types in Python

- int → whole numbers (10)
 - float → decimal numbers (5.6)
 - str → text ("Hello")
 - bool → True/False
-

4. HTML Table Code (3 Students)

```
<table border="1">
<tr>
<th>Name</th>
<th>Marks</th>
</tr>
<tr>
<td>Rahul</td>
<td>85</td>
</tr>
<tr>
<td>Riya</td>
<td>90</td>
</tr>
<tr>
<td>Aman</td>
<td>78</td>
</tr>
```

</table>

5. If-Else Statement

Used for decision making.

Example:

```
num = 10
```

```
if num > 0:
```

```
    print("Positive")
```

```
else:
```

```
    print("Negative")
```

6. Three Cyber Safety Measures

1. Use strong passwords.
 2. Do not share personal information.
 3. Install antivirus software.
-

7. Services of Internet

- Email
 - E-commerce
 - Online Banking
 - Social Networking
-

8. Intellectual Property Rights (IPR)

IPR protects creative works like software, music, inventions and prevents unauthorized copying.

Section D – Long Answers (5 Marks Each)

1. Python Program – Sum & Product

```
a = int(input("Enter first number: "))
b = int(input("Enter second number: "))
```

```
sum = a + b
product = a * b
```

```
print("Sum =", sum)
print("Product =", product)
```

Explanation:

- input() takes input
 - int() converts to integer
 - - adds numbers
 - - multiplies numbers
-

2. HTML Webpage Code

```
<html>
<head>
<title>My Page</title>
</head>
<body>
<h1>Welcome to My Website</h1>

<br>
<a href="https://www.google.com">Visit Google</a>
</body>
</html>
```

3. Types of Cyber Crimes

- Hacking
- Phishing
- Identity Theft
- Cyber Bullying
- Malware Attack

4. Control Structures in Python

1. Sequential
2. Selection (if, if-else)
3. Iteration (for, while)

Example:

```
for i in range(5):  
    print(i)
```

Section E – Case Study Answers

Case Study 1

- a) ``
- b) Web Hosting is a service that stores website files on a server to make them accessible on the internet.

Case Study 2

- a) `input()`
 - b) + (Addition)
-