Class X – Computer Applications

Model Question Paper

(SET- 2)

Time Allowed: 3 Hours   **Maximum Marks:** 80

General Instructions:

1. All questions are compulsory.

2. Internal choices are provided in some questions.

3. Use proper HTML/Python syntax wherever required.

4. Figures to the right indicate full marks.

Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

Attempt all questions.

1. The full form of URL is:
   a) Uniform Resource Locator
   b) Universal Resource Link
   c) Uniform Reference Link
   d) Universal Reference Locator

2. Which tag is used to create a heading in HTML?
   a) \<head>
   b) \<h1>
   c) \<title>
   d) \<body>

3. Which protocol is used to transfer web pages?
   a) FTP
   b) HTTP
   c) SMTP
   d) POP3

4. Which function is used to display output in Python?
   a) input()
   b) print()
   c) show()
   d) display()

5. Which of the following is a search engine?
   a) Chrome
   b) Bing
   c) Firefox
   d) Edge

6. tag is used for:
   a) Ordered list
   b) Object list
   c) Online link
   d) Output list

7. Which symbol is used for multiplication in Python?
   a) x
   b) *
   c) %
   d) ^

8. Cyber ethics refers to:
   a) Hardware repair
   b) Moral principles of using internet
   c) Programming language
   d) Network device

9. Which attribute specifies link destination in <a> tag?
   a) src
   b) href
   c) link
   d) ref

10. A modem is used for:
    a) Storage
    b) Processing
    c) Connecting to internet
    d) Printing

11. Which HTML tag is used to create a table?
    a) <tab>

b) <table>

c) <tr>

d) <td>

12. Which of the following is a relational operator in Python?

    a) +

    b) -

    c) ==

    d) *

13. WAN stands for:

    a) Web Area Network

    b) Wide Area Network

    c) Wireless Area Network

    d) World Area Network

14. The brain of computer is:

    a) CPU

    b) RAM

    c) Monitor

    d) Keyboard

15. Which data type stores True/False value?

    a) int

    b) bool

    c) float

    d) str

16.
 tag is used for:

    a) Bold

    b) Break line

    c) Border

    d) Background

17. Which one is an example of malware?

    a) Virus

    b) Keyboard

    c) Printer

    d) Mouse

18. In Python, indentation is used to:

    a) Decorate code

    b) Define block of code

c) Add comment
d) End program

19. Which service allows video meetings online?
a) Email
b) Video Conferencing
c) FTP
d) Telnet

20. IPR protects:
a) Network cables
b) Creative work
c) Hard disk
d) Virus

Section B – Very Short Answer Questions (2 × 6 = 12 Marks)

1. Define World Wide Web.

2. What is an IP Address?

3. Write any two advantages of Internet.

4. Define loop in Python.

5. What is Cyber Stalking?

6. What is the use of <img> tag?

Section C – Short Answer Questions (3 × 8 = 24 Marks)

1. Explain different types of Internet services.
   OR
   Explain features of Web Browser.

2. Differentiate between <table> and <list> in HTML.

3. Explain different data types in Python with examples.

4. Write HTML code to create an unordered list of 4 fruits.

5. Explain types of Network (LAN, MAN, WAN).

6. Write a Python program to check whether a number is even or odd.

7. Write any three Cyber Safety rules.

8. Explain the working of HTTP protocol.

Section D – Long Answer Questions (5 × 4 = 20 Marks)

1. Write a Python program to input three numbers and display the largest number. Explain the program.

2. Write HTML code to create a webpage that contains:

   o School Name as heading

   o One image

   o One ordered list of subjects

3. Explain different types of Cyber Crimes in detail.

4. Explain control structures in Python (Sequential, Selection, Iteration) with examples.

Section E – Case Study Based Questions (2 × 2 = 4 Marks)

Case Study 1:

A student created a webpage using <h1>, <p>, <img> and <a> tags. He uploaded it to a web hosting server.

a) Which tag is used to create hyperlink?
b) What is Web Hosting?

Case Study 2:

A company developed a billing system using Python. It takes user input and uses conditional statements for discount calculation.

a) Which function is used to take input?
b) Name one conditional statement used in Python.