

# Class X – Computer Applications

## Model Question Paper

(SET- 6)

**Time Allowed:** 3 Hours

**Maximum Marks:** 80

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### General Instructions:

1. All questions are compulsory.
  2. Internal choices are provided in some questions.
  3. Use proper syntax while writing HTML and Python programs.
  4. Draw diagrams wherever required.
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### Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

1. Which tag is used to define the largest heading in HTML?
  - a) <h6>
  - b) <head>
  - c) <h1>
  - d) <title>
2. Which protocol is used to receive emails?
  - a) SMTP
  - b) POP3
  - c) FTP
  - d) HTTP
3. Which device is used to connect different networks?
  - a) Switch
  - b) Router
  - c) Scanner
  - d) Printer
4. In Python, which keyword is used for loop?
  - a) repeat

- b) for
  - c) select
  - d) choose
5. Which attribute is used in <img> tag to specify image path?
- a) href
  - b) link
  - c) src
  - d) file
6. Which of the following is an example of WAN?
- a) School network
  - b) Office building network
  - c) Internet
  - d) Classroom network
7. Which operator is used for exponentiation in Python?
- a) ^
  - b) \*\*
  - c) //
  - d) %
8. <p> tag is used to create:
- a) Table
  - b) Paragraph
  - c) Page
  - d) Picture
9. Which one is a type of cyber attack?
- a) Hacking
  - b) Printing
  - c) Scanning
  - d) Formatting
10. Which data type is used to store True or False?
- a) int
  - b) str
  - c) bool
  - d) float
11. Which tag is used to create table heading?
- a) <td>
  - b) <tr>

- c) <th>
- d) <head>

12. Which function is used to display output in Python?

- a) input()
- b) print()
- c) show()
- d) read()

13. LAN stands for:

- a) Large Area Network
- b) Local Area Network
- c) Limited Area Network
- d) Long Area Network

14. The full form of FTP is:

- a) File Transfer Protocol
- b) Fast Text Program
- c) File Text Protocol
- d) Fast Transfer Process

15. Which HTML tag is used to create a form field?

- a) <form>
- b) <input>
- c) <field>
- d) <data>

16. Which statement is used for decision making in Python?

- a) loop
- b) if
- c) break
- d) repeat

17. HTTPS is more secure because of:

- a) Firewall
- b) Encryption
- c) Virus
- d) Scanner

18. Which symbol is used for floor division?

- a) //
- b) /
- c) %
- d) \*

19. Which of the following is an example of e-commerce?

- a) Amazon
- b) MS Word
- c) Paint
- d) Notepad

20. A web page is written in:

- a) Python
- b) Java
- c) HTML
- d) C++

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

1. Define Web Browser.
2. What is a Modem?
3. Define Variable in Python.
4. What is Cyber Bullying?
5. What is the use of <br> tag?
6. Define E-Governance.

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

1. Explain the basic structure of an HTML document.  
**OR**  
Explain features of World Wide Web.
  2. Write HTML code to create an unordered list of 4 subjects.
  3. Explain arithmetic operators in Python with examples.
  4. Write a Python program to calculate the perimeter of a rectangle.
  5. Differentiate between Virus and Trojan.
  6. Explain advantages of Cloud Computing.
  7. Explain types of Networks with diagram.
  8. Write any three rules of Netiquette.
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## **Section D – Long Answer Questions (5 × 4 = 20 Marks)**

1. Write a Python program to input a number and check whether it is divisible by 3.  
Explain the program.
  2. Write HTML code to create a webpage that contains:
    - Heading “My Favourite Teacher”
    - One paragraph
    - One image
    - One hyperlink
  3. Explain different types of Cyber Crimes in detail with examples.
  4. Explain loops in Python (for loop and while loop) with examples.
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## **Section E – Case Study Based Questions (2 × 2 = 4 Marks)**

### **Case Study 1:**

A company created an online registration form using HTML and stored information securely.

- a) Which tag is used to create a form?
  - b) What is the purpose of HTTPS?
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### **Case Study 2:**

A Python program takes user input and calculates total marks.

- a) Which function is used to take input?
- b) Name one relational operator used in Python.