

# Class 10 – Computer Applications

## MODEL QUESTION PAPER

(SET- 1)

Time: 3 Hours

(80 MARKS)

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### Section A – MCQs (1 × 20 = 20 Marks)

1. HTML stands for:
  - a) Hyper Text Marking Language
  - b) Hyper Text Markup Language
  - c) High Text Machine Language
  - d) Hyper Transfer Markup Language
2. Which tag is used to create hyperlink?
  - a) <link>
  - b) <a>
  - c) <href>
  - d) <hyper>
3. The protocol used for receiving emails:
  - a) SMTP
  - b) FTP
  - c) POP3
  - d) HTTP
4. Which tag creates a table row?
  - a) <td>
  - b) <tr>
  - c) <th>
  - d) <row>
5. Which of the following is not a web browser?
  - a) Chrome
  - b) Firefox
  - c) MS Word
  - d) Edge

6. Which Python data type stores text?
  - a) int
  - b) str
  - c) float
  - d) bool
7. input() function is used for:
  - a) Output
  - b) Input
  - c) Calculation
  - d) Loop
8. HTTPS provides security using:
  - a) Virus
  - b) Firewall
  - c) Encryption
  - d) Cable
9. Cyber bullying means:
  - a) Physical fight
  - b) Online harassment
  - c) System crash
  - d) Virus
10. Which symbol is used to start a comment in Python?
  - a) //
  - b) #
  - c) <!--
  - d) \*\*
11. <ul> is used for:
  - a) Ordered list
  - b) Unordered list
  - c) Underline
  - d) Upload
12. Intellectual Property Rights protect:
  - a) Ideas & Creations
  - b) Virus
  - c) Cable
  - d) Hardware
13. LAN stands for:
  - a) Local Area Network

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

14. Which operator is used for addition in Python?

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

15. <img> tag uses which attribute?

- a) href
- b) src
- c) link
- d) file

16. A strong password should contain:

- a) Only numbers
- b) Only letters
- c) Letters, numbers & symbols
- d) Only symbols

17. WWW works on which protocol?

- a) HTTP
- b) FTP
- c) SMTP
- d) POP3

18. Which loop repeats code multiple times?

- a) if
- b) else
- c) for
- d) break

19. Phishing is related to:

- a) Online fraud
- b) Hardware repair
- c) Programming
- d) Networking cable

20. The brain of computer is:

- a) RAM
- b) CPU

- c) ROM
  - d) Mouse
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### **Section B – Very Short Answer (2 × 6 = 12 Marks)**

1. Define Internet.
  2. What is Netiquette?
  3. Define variable in Python with example.
  4. What is use of <form> tag?
  5. Define Cyber Crime.
  6. What is URL?
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### **Section C – Short Answer (3 × 8 = 24 Marks)**

1. Explain LAN, MAN and WAN.
  2. Differentiate between <ol> and <ul> with example.
  3. Explain basic data types in Python.
  4. Write HTML code to create a table of 3 students.
  5. Explain if-else statement with example.
  6. Write three Cyber Safety measures.
  7. Explain services provided by Internet.
  8. What is Intellectual Property Rights?
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### **Section D – Long Answer (5 × 4 = 20 Marks)**

1. Write a Python program to input two numbers and display their sum and product.
  2. Write HTML code to create a webpage with heading, image and hyperlink.
  3. Explain different types of Cyber Crimes in detail.
  4. Explain control structures in Python with example.
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## **Section E – Case Study (2 × 2 = 4 Marks)**

### **Case Study 1:**

A student created a website using HTML tags and uploaded it using web hosting service.

- a) Which tag is used to insert image?
- b) What is Web Hosting?

### **Case Study 2:**

A company developed software in Python that takes user input and calculates salary.

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