

Class X – Computer Applications

Model Question Paper

(SET- 3)

Time Allowed: 3 Hours

Maximum Marks: 80

General Instructions:

1. All questions are compulsory.
 2. Internal choices are provided in some questions.
 3. Write HTML/Python programs with proper syntax.
 4. Marks are indicated against each question.
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Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

1. The full form of HTML is:
 - a) Hyper Text Machine Language
 - b) Hyper Text Markup Language
 - c) High Text Markup Language
 - d) Hyper Tool Multi Language
2. Which tag defines the title of a webpage?
 - a) <head>
 - b) <title>
 - c) <meta>
 - d) <h1>
3. Which protocol is used to send emails?
 - a) SMTP
 - b) HTTP
 - c) FTP
 - d) TCP
4. Which of the following is an example of application software?
 - a) Windows

- b) Linux
 - c) MS Excel
 - d) BIOS
5. Which Python function converts string to integer?
- a) str()
 - b) int()
 - c) float()
 - d) bool()
6. <th> tag is used for:
- a) Table heading
 - b) Table row
 - c) Table data
 - d) Table border
7. Which network covers a city?
- a) LAN
 - b) MAN
 - c) WAN
 - d) PAN
8. Which operator gives remainder in Python?
- a) /
 - b) %
 - c) //
 - d) *
9. Which tag is used to create paragraph in HTML?
- a) <para>
 - b) <p>
 - c) <pg>
 - d) <text>
10. Phishing attacks mainly target:
- a) Hardware
 - b) Passwords & personal data
 - c) Printers
 - d) Monitors
11. Which of the following is a loop in Python?
- a) if
 - b) else

- c) while
- d) break

12. <body> tag contains:

- a) Title
- b) Visible content
- c) Metadata
- d) Comments

13. Which device connects different networks?

- a) Switch
- b) Router
- c) Keyboard
- d) Scanner

14. Cyber ethics encourages:

- a) Illegal downloading
- b) Respectful online behaviour
- c) Hacking
- d) Spamming

15. Which data type stores decimal numbers?

- a) int
- b) str
- c) float
- d) list

16. The shortcut for copy is:

- a) Ctrl + V
- b) Ctrl + C
- c) Ctrl + X
- d) Ctrl + P

17. FTP stands for:

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

18. Indentation in Python is compulsory in:

- a) Comments
- b) Loops & if statements
- c) Variable declaration
- d) Print statement

19. Which HTML tag is used to create form?

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

20. Cyber crime means:

- a) Crime using computer/internet
- b) Road accident
- c) Physical theft
- d) Paper hacking

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

1. Define Web Hosting.
2. What is a Router?
3. Write two differences between HTTP and HTTPS.
4. Define Boolean data type in Python.
5. What is Spam mail?
6. What is the purpose of
 tag?

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

1. Explain structure of an HTML document with diagram.
OR
Explain features of Internet.
 2. Write HTML code to create a table showing Name and Marks of two students.
 3. Explain arithmetic operators in Python with examples.
 4. Write a Python program to calculate area of rectangle.
 5. Differentiate between LAN and WAN.
 6. Explain types of malware (Virus, Worm, Trojan).
 7. Explain conditional statements in Python with example.
 8. Write any three advantages and three disadvantages of Internet.
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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 positive, negative or zero. Explain the program.
 2. Write HTML code to create a webpage that includes:
 - Heading “My School”
 - Paragraph about school
 - One image
 - One hyperlink
 3. Explain Intellectual Property Rights (IPR) and its importance.
 4. Explain different types of Networks (LAN, MAN, WAN) with diagram.
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Section E – Case Study Based Questions (2 × 2 = 4 Marks)

Case Study 1:

An organization created an online registration form using HTML and stored data using a Python program.

- a) Which tag is used to create input field in HTML?
 - b) Which function displays output in Python?
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Case Study 2:

A student received a fake email asking for bank details and password.

- a) What type of cyber crime is this?
- b) Write one safety measure to avoid it.