

Class X – Computer Applications

Model Question Paper

(SET- 8)

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 tags and Python programs with proper syntax.
 4. Use neat and properly indented code wherever required.
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Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

1. Which HTML tag is used to define a paragraph?
 - a) <para>
 - b) <p>
 - c) <text>
 - d) <pg>
2. The full form of POP3 is:
 - a) Post Office Protocol Version 3
 - b) Public Office Protocol
 - c) Post Online Process
 - d) Personal Office Protocol
3. Which device is used to convert digital signals to analog signals?
 - a) Router
 - b) Modem
 - c) Switch
 - d) Hub
4. In Python, which keyword is used to exit a loop?
 - a) stop

- b) end
 - c) break
 - d) close
5. Which attribute is used with <a> tag to specify link address?
- a) src
 - b) link
 - c) href
 - d) ref
6. Which of the following is an example of MAN?
- a) School network
 - b) Office network
 - c) Network covering a city
 - d) Internet
7. Which operator is used for subtraction in Python?
- a) -
 - b) +
 - c) *
 - d) /
8. <head> tag contains:
- a) Visible content
 - b) Metadata
 - c) Images
 - d) Paragraph
9. Which of the following is a safe password?
- a) 123456
 - b) password
 - c) Ab@1239
 - d) qwerty
10. Which Python data type is used for decimal numbers?
- a) int
 - b) float
 - c) str
 - d) bool
11. Which tag is used to create table data cell?
- a) <tr>
 - b) <th>

- c) <td>
- d) <table>

12. Which protocol is used for sending emails?

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

13. Which of the following is an example of e-governance service?

- a) Online tax payment
- b) Printing
- c) Typing
- d) Drawing

14. Which operator is used for logical OR in Python?

- a) or
- b) ||
- c) &&
- d) &

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

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

16. Which type of network connects computers worldwide?

- a) LAN
- b) MAN
- c) WAN
- d) PAN

17. The function used to convert string to float is:

- a) str()
- b) int()
- c) float()
- d) bool()

18. Which tag is used to create horizontal line?

- a)

- b) <hr>
- c) <line>
- d) <hline>

19. Cyber crime includes:
- a) Identity theft
 - b) Printing
 - c) Typing
 - d) Formatting
20. A webpage is saved with extension:
- a) .exe
 - b) .html
 - c) .doc
 - d) .xls
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Section B – Very Short Answer Questions (2 × 6 = 12 Marks)

1. Define Internet.
 2. What is a Switch?
 3. Define Loop in Python.
 4. What is the purpose of <title> tag?
 5. Define Phishing.
 6. What is Cloud Storage?
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Section C – Short Answer Questions (3 × 8 = 24 Marks)

1. Explain the basic structure of HTML document.
OR
Explain advantages of Internet.
 2. Write HTML code to create an ordered list of five fruits.
 3. Explain arithmetic operators in Python with suitable examples.
 4. Write a Python program to calculate area of a circle.
 5. Differentiate between Virus and Worm.
 6. Explain services provided by E-Commerce.
 7. Write any three rules of Cyber Safety.
 8. Explain relational operators in Python with examples.
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Section D – Long Answer Questions (5 × 4 = 20 Marks)

1. Write a Python program to check whether a number is divisible by 7. Explain the program.
 2. Write HTML code to create a webpage that includes:
 - Heading “Environment Day”
 - One paragraph
 - One image
 - One hyperlink
 3. Explain different types of Networks (LAN, MAN, WAN) with diagram.
 4. Explain decision-making statements in Python with examples.
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Section E – Case Study Based Questions (2 × 2 = 4 Marks)

Case Study 1:

A company created an online portal using HTML and secured it using HTTPS.

- a) What does HTTPS stand for?
 - b) Why is HTTPS secure?
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Case Study 2:

A Python program takes user input and calculates total marks using arithmetic operators.

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