

Class X – Computer Applications

Model Question Paper

(SET- 9)

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 correct syntax and indentation.
 4. Use proper diagrams wherever required.
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Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

1. Which HTML tag is used to create a hyperlink?
 - a) <link>
 - b) <a>
 - c) <href>
 - d) <hyper>
2. The full form of WAN is:
 - a) Web Area Network
 - b) Wide Area Network
 - c) Wireless Area Network
 - d) World Area Network
3. Which protocol is used to upload files to a server?
 - a) HTTP
 - b) FTP
 - c) SMTP
 - d) POP3
4. Which Python keyword is used for repetition?
 - a) if

- b) for
 - c) else
 - d) pass
5. <h3> tag represents:
- a) Paragraph
 - b) Third level heading
 - c) Hyperlink
 - d) Image
6. Which operator is used for division in Python?
- a) /
 - b) %
 - c) //
 - d) **
7. Which of the following is a type of cyber crime?
- a) Identity Theft
 - b) Typing
 - c) Printing
 - d) Formatting
8. Which device forwards data packets between networks?
- a) Hub
 - b) Switch
 - c) Router
 - d) Printer
9. Which tag is used to create table row?
- a) <td>
 - b) <tr>
 - c) <th>
 - d) <row>
10. Which data type stores textual data in Python?
- a) int
 - b) float
 - c) str
 - d) bool
11. Which protocol is secure version of HTTP?
- a) FTP
 - b) SMTP

- c) HTTPS
- d) TCP

12. Which statement is used for decision making?

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

13. tag creates:

- a) Ordered list
- b) Unordered list
- c) Table
- d) Paragraph

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

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

15. The full form of IP is:

- a) Internet Process
- b) Internet Protocol
- c) Internal Protocol
- d) Internet Program

16. Which operator checks inequality?

- a) ==
- b) !=
- c) >=
- d) <=

17. Which HTML tag is used to insert image?

- a) <image>
- b)
- c) <photo>
- d) <pic>

18. Which network connects computers within a campus?

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

19. Cyber Ethics promotes:
- a) Illegal downloads
 - b) Responsible online behaviour
 - c) Hacking
 - d) Data theft
20. Which file extension is used for web pages?
- a) .exe
 - b) .html
 - c) .doc
 - d) .ppt
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Section B – Very Short Answer Questions (2 × 6 = 12 Marks)

1. Define E-Commerce.
 2. What is a Hub?
 3. Define Variable in Python.
 4. What is the use of <hr> tag?
 5. Define Malware.
 6. What is URL?
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Section C – Short Answer Questions (3 × 8 = 24 Marks)

1. Explain the structure of an HTML document with example.
OR
Explain advantages and disadvantages of Internet.
 2. Write HTML code to create a table showing Name and Marks of three students.
 3. Explain relational operators in Python with examples.
 4. Write a Python program to calculate the area of a rectangle.
 5. Differentiate between LAN and MAN.
 6. Explain types of Cyber Crimes with examples.
 7. Write any three rules of Netiquette.
 8. Explain loops in Python with suitable 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 5 and 7.
Explain the program.
 2. Write HTML code to create a webpage that includes:
 - Heading “Annual Sports Meet”
 - One paragraph
 - One image
 - One ordered list
 3. Explain different types of Networks (LAN, MAN, WAN) in detail.
 4. Explain decision-making statements (if, if-else, if-elif-else) in Python with examples.
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Section E – Case Study Based Questions (2 × 2 = 4 Marks)

Case Study 1:

A student created a website using HTML and uploaded it to a web server using FTP.

- a) What is FTP?
 - b) Which tag is used to create hyperlink?
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Case Study 2:

A shopkeeper wrote a Python program to calculate total bill using arithmetic operators.

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