

Class X – Computer Applications

Model Question Paper

(SET- 4)

Time Allowed: 3 Hours

Maximum Marks: 80

General Instructions:

1. All questions are compulsory.
 2. Internal choices are provided where applicable.
 3. Write programs and HTML code with proper syntax.
 4. Use appropriate diagrams wherever required.
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Section A – Multiple Choice Questions (1 × 20 = 20 Marks)

1. The Internet is a network of:
 - a) Computers
 - b) Printers
 - c) Routers only
 - d) Servers only
2. Which HTML tag is used to create a line break?
 - a) <break>
 - b)

 - c) <lb>
 - d) <line>
3. Which protocol is used for file transfer?
 - a) FTP
 - b) SMTP
 - c) HTTP
 - d) POP3
4. Which of the following is a system software?
 - a) MS Word

- b) Windows
 - c) Excel
 - d) PowerPoint
5. Which Python keyword is used for decision making?
- a) loop
 - b) select
 - c) if
 - d) choose
6. <td> tag is used for:
- a) Table data
 - b) Table heading
 - c) Table title
 - d) Table design
7. A network covering a small geographical area is called:
- a) WAN
 - b) MAN
 - c) LAN
 - d) PAN
8. Which operator is used for floor division in Python?
- a) /
 - b) //
 - c) %
 - d) *
9. The <hr> tag is used to:
- a) Create hyperlink
 - b) Insert horizontal line
 - c) Create heading
 - d) Insert image
10. Which of the following is a cyber crime?
- a) Hacking
 - b) Printing
 - c) Scanning
 - d) Typing
11. Which Python data type stores whole numbers?
- a) float
 - b) int

- c) str
- d) bool

12. The function used to convert integer to string is:

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

13. Which tag is used to create a numbered list?

- a)
- b)
- c)
- d) <list>

14. The device used to connect computer to internet is:

- a) Scanner
- b) Modem
- c) Keyboard
- d) Speaker

15. Cyber safety helps to:

- a) Increase virus
- b) Protect data
- c) Slow internet
- d) Delete files

16. Which HTML tag is used to insert an image?

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

17. Which statement is used to repeat code?

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

18. HTTPS stands for:

- a) Hyper Text Transfer Protocol Secure
- b) High Transfer Text Protocol
- c) Hyper Tool Transfer Program
- d) Hyper Transfer Text Program

19. Malware includes:
- a) Virus
 - b) Worm
 - c) Trojan
 - d) All of these
20. A web page is written using:
- a) C++
 - b) Java
 - c) HTML
 - d) Python
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Section B – Very Short Answer Questions (2 × 6 = 12 Marks)

1. Define E-Commerce.
 2. What is a Search Engine?
 3. Write two features of HTML.
 4. What is indentation in Python?
 5. Define Cyber Ethics.
 6. What is IP Address?
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Section C – Short Answer Questions (3 × 8 = 24 Marks)

1. Explain the structure of Internet.
OR
Explain different types of Web Browsers.
 2. Write HTML code to create an ordered list of 5 subjects.
 3. Explain relational operators in Python with examples.
 4. Write a Python program to find square of a number.
 5. Differentiate between Virus and Worm.
 6. Explain advantages of E-Governance.
 7. Explain the working of POP3 and SMTP protocols.
 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 check whether a number is divisible by 5 and 11.
Explain the program.
 2. Write HTML code to create a webpage that includes:
 - Heading “Annual Function”
 - Paragraph
 - One image
 - One unordered list
 3. Explain different types of Cyber Crimes with suitable examples.
 4. Explain loops in Python (for and while) with examples.
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Section E – Case Study Based Questions (2 × 2 = 4 Marks)

Case Study 1:

A company created an online shopping website using HTML. Customers fill a form and make online payments.

- a) Which tag is used to create form?
 - b) Define Online Payment.
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Case Study 2:

A programmer wrote a Python program using if-else statements to calculate discount.

- a) What is the purpose of if statement?
- b) Which function is used to display output?