

**SYLLABUS INDICATOR AND EXAM PORTION  
CBSE – 2024-25**

**Subject: Computer**

**Grade: VI**

| PHASE 1 |                        |  |  |
|---------|------------------------|--|--|
| Ch. No. | Chapter Name           | Subtopics  | PT1 Portion<br>Total Marks: 40      Duration: 1 hr 30 minutes  |
| 1       | Computer System        | <ul style="list-style-type: none"> <li>• Characteristics of the computer</li> <li>• Hardware and software and their categories</li> <li>• Function of all parts of the CPU (Central Processing Unit), Memory Unit (MU), Control Unit (CU), Arithmetic and logical unit (ALU)</li> <li>• Units of memory</li> <li>• Terms you should be aware of</li> <li>• Some interesting discoveries</li> </ul> | <ul style="list-style-type: none"> <li>• Characteristics of the computer</li> <li>• Hardware and software and their categories</li> <li>• Function of all parts of the CPU (Central Processing Unit), Memory Unit (MU), Control Unit (CU), Arithmetic and logical unit (ALU)</li> <li>• Units of memory</li> </ul> |
| 2       | Excel: An Introduction | <ul style="list-style-type: none"> <li>• Advantages of a spreadsheet program</li> <li>• Excel 2016</li> <li>• Data types in spreadsheet</li> <li>• Auto fill</li> <li>• Flash fill</li> </ul>  | <ul style="list-style-type: none"> <li>• Advantages of a spreadsheet program</li> <li>• Excel 2016</li> <li>• Data types in spreadsheet</li> <li>• Auto fill</li> <li>• Flash fill</li> </ul>  |

| PHASE 2 |                               |  |  |
|---------|-------------------------------|--|--|
| Ch. No. | Chapter Name                  | Subtopics  | HYE Portion (Theory)<br>Total Marks: 40      Duration: 1 hr 30 minutes   |
| 3       | Excel: Formulas And Functions | <ul style="list-style-type: none"> <li>• Working with formulas in Excel</li> <li>• Cell referencing</li> <li>• Advantages of cell referencing</li> <li>• To know about the different types of cell referencing (Absolute, Relative and Mixed referencing)</li> <li>• Concept of Functions</li> </ul> | <ul style="list-style-type: none"> <li>• Working with formulas in Excel</li> <li>• Cell referencing</li> <li>• Advantages of cell referencing</li> <li>• To know about the different types of cell referencing (Absolute, Relative and Mixed referencing)</li> <li>• Concept of Functions</li> </ul> |

|   |                 |  |  |
|---|-----------------|--|--|
|   |                 | <ul style="list-style-type: none"> <li>• Description of Functions like SUM(), MIN(), MAX, COUNT(),AVERAGE(), IF()</li> <li>• Understanding charts</li> <li>• Knowing Pie, Column, Line, Bar and Area charts</li> </ul>   | <ul style="list-style-type: none"> <li>• Description of Functions like SUM(), MIN(), MAX, COUNT(),AVERAGE(), IF()</li> <li>• Understanding charts</li> <li>• Knowing Pie, Column, Line, Bar and Area charts</li> </ul>   |
| 4 | Elementary HTML | <ul style="list-style-type: none"> <li>• Creating an HTML Document</li> <li>• Structure of HTML Document</li> <li>• Heading in HTML</li> <li>• Comments in HTML</li> <li>• Line and Paragraph Break</li> <li>• Formatting Tags</li> <li>• Creating HTML Documents</li> </ul> | <ul style="list-style-type: none"> <li>• Creating an HTML Document</li> <li>• Structure of HTML Document</li> <li>• Heading in HTML</li> <li>• Comments in HTML</li> <li>• Line and Paragraph Break</li> <li>• Formatting Tags</li> <li>• Creating HTML Documents</li> </ul> |

| Ch. No. | Chapter Name                  | Subtopics  | HYE Portion (Practical)  |                           |
|---------|-------------------------------|--|--|---------------------------|
|         |                               |  | Total Marks: 40  | Duration: 1 hr 30 minutes |
| 2       | Excel: An Introduction        | <ul style="list-style-type: none"> <li>• Advantages of a spreadsheet program</li> <li>• Excel 2016</li> <li>• Data types in spreadsheet</li> <li>• Auto fill</li> <li>• Flash fill</li> </ul>  | <ul style="list-style-type: none"> <li>• Data types in spreadsheet</li> <li>• Auto fill</li> <li>• Flash fill</li> </ul>   |                           |
| 3       | Excel: Formulas And Functions | <ul style="list-style-type: none"> <li>• Working with formulas in Excel</li> <li>• Cell referencing</li> <li>• Advantages of cell referencing</li> <li>• To know about the different types of cell referencing (Absolute, Relative and Mixed referencing)</li> <li>• Concept of Functions</li> <li>• Description of Functions like SUM(), MIN(), MAX, COUNT(),AVERAGE(), IF()</li> <li>• Understanding charts</li> <li>• Knowing Pie, Column, Line, Bar and Area charts</li> </ul> | <ul style="list-style-type: none"> <li>• Working with formulas in Excel</li> <li>• Cell referencing</li> <li>• Advantages of cell referencing</li> <li>• To know about the different types of cell referencing (Absolute, Relative and Mixed referencing)</li> <li>• Concept of Functions</li> <li>• Description of Functions like SUM(), MIN(), MAX, COUNT(),AVERAGE(), IF()</li> <li>• Understanding charts</li> <li>• Knowing Pie, Column, Line, Bar and Area charts</li> </ul> |                           |

|   |                 |  |  |
|---|-----------------|--|--|
| 4 | Elementary HTML | <ul style="list-style-type: none"> <li>• Creating an HTML Document</li> <li>• Structure of HTML Document</li> <li>• Heading in HTML</li> <li>• Comments in HTML</li> <li>• Line and Paragraph Break</li> <li>• Formatting Tags</li> <li>• Creating HTML Documents</li> </ul> | <ul style="list-style-type: none"> <li>• Creating an HTML Document</li> <li>• Structure of HTML Document</li> <li>• Heading in HTML</li> <li>• Comments in HTML</li> <li>• Line and Paragraph Break</li> <li>• Formatting Tags</li> <li>• Creating HTML Documents</li> </ul> |
|---|-----------------|--|--|

| PHASE 3 |                          |   |   |
|---------|--------------------------|---|---|
| Ch. No. | Chapter Name             | Subtopics   | PT2 Portion   |
|         |                          |   | <b>Total Marks: 40</b> <b>Duration: 1 hr 30 minutes</b>   |
| 5       | Cascading Style Sheet    | <ul style="list-style-type: none"> <li>• Advantages of CSS</li> <li>• Different ways to insert styles in a webpage</li> <li>• Inline CSS</li> <li>• Internal CSS</li> <li>• External CSS</li> </ul> | <ul style="list-style-type: none"> <li>• Advantages of CSS</li> <li>• Different ways to insert styles in a webpage</li> <li>• Inline CSS</li> <li>• Internal CSS</li> <li>• External CSS</li> </ul> |
| 6       | Flowchart and Pseudocode | <ul style="list-style-type: none"> <li>• Problem solving</li> <li>• Algorithm</li> <li>• Flowchart</li> <li>• Pseudocode</li> </ul>   | <ul style="list-style-type: none"> <li>• Problem solving</li> <li>• Algorithm</li> <li>• Flowchart</li> <li>• Pseudocode</li> </ul>   |

| PHASE 4 |                           |  |  |
|---------|---------------------------|--|--|
| Ch. No. | Chapter Name              | Subtopics  | YE Portion (Theory)<br>Total Marks: 40      Duration: 1 hr 30 minutes  |
| 7       | An Introduction to Python | <ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Installation and Modes of working in Python</li> <li>• print ( ) function with end and sep parameters</li> <li>• Python Tokens (Identifiers, Keywords, Operators, literals)</li> <li>• Data Types</li> <li>• Arithmetic operators</li> <li>• Single and Multiline comments</li> <li>• input ( ) function</li> <li>• int() and float() function</li> </ul> | <ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Installation and Modes of working in Python</li> <li>• print ( ) function with end and sep parameters</li> <li>• Python Tokens (Identifiers, Keywords, Operators, literals)</li> <li>• Data Types</li> <li>• Arithmetic operators</li> <li>• Single and Multiline comments</li> <li>• input ( ) function</li> <li>• int() and float() function</li> </ul> |
| 8       | Understanding AI          | <ul style="list-style-type: none"> <li>• Introduction to AI</li> <li>• History</li> <li>• Types of Artificial Intelligence</li> <li>• Uses of AI-based machines</li> <li>• Interesting educational AI resources</li> </ul>   | <ul style="list-style-type: none"> <li>• Introduction to AI</li> <li>• History</li> <li>• Types of Artificial Intelligence</li> <li>• Uses of AI-based machines</li> <li>• Interesting educational AI resources</li> </ul>   |
| 9       | Internet                  | <ul style="list-style-type: none"> <li>• Introduction of the Internet</li> <li>• Brief History of the Internet</li> <li>• Internet and World Wide Web</li> <li>• Protocols</li> <li>• Factors which affect the speed of the Internet connection</li> <li>• Related terms</li> <li>• Interesting things you should know</li> <li>• Cyberbullying</li> <li>• Cyber security</li> <li>• Ethics and responsibilities</li> </ul>          | <ul style="list-style-type: none"> <li>• Introduction of the Internet</li> <li>• Brief History of the Internet</li> <li>• Internet and World Wide Web</li> <li>• Protocols</li> <li>• Factors which affect the speed of the Internet connection</li> <li>• Related terms</li> <li>• Interesting things you should know</li> <li>• Cyberbullying</li> <li>• Cyber security</li> <li>• Ethics and responsibilities</li> </ul>          |

| Ch. No. | Chapter Name              | Subtopics  | YE Portion (Practical)  |                           |
|---------|---------------------------|--|---|---------------------------|
|         |                           |  | Total Marks: 40   | Duration: 1 hr 30 minutes |
| 5       | Cascading Style Sheet     | <ul style="list-style-type: none"> <li>• Advantages of CSS</li> <li>• Different ways to insert styles in a webpage</li> <li>• Inline CSS</li> <li>• Internal CSS</li> <li>• External CSS</li> </ul>  | <ul style="list-style-type: none"> <li>• Different ways to insert styles in a webpage</li> <li>• Inline CSS</li> <li>• Internal CSS</li> <li>• External CSS</li> </ul>  |                           |
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**\*Note: From AY 24–25, practical assessments will be conducted, twice a year at the end of each term, for Computers. The practicals will be based on the selected topics of each term.**