

# Syllabus Indicator and Exam Portion

CBSE – 2023-24

Subject: Computer

Grade: VI

PHASE 1			
Ch. No.	Chapter Name	Subtopics	PT1 portion 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>
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>

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PHASE 2			
Ch. No.	Chapter Name	Subtopics	<b>HYE portion</b> <b>Total Marks: 40</b> <b>Duration: 1 hr 30 minutes</b>
4	Elementary HTML	<ul style="list-style-type: none"> <li>• To understand the purpose of a web-based language, HTML</li> <li>• To know the steps to create an HTML document</li> <li>• Concept of tags and their attributes and parameters</li> <li>• To know the structure of an HTML document</li> <li>• To understand different HTML elements</li> <li>• Learn to make headings, comments, line and paragraph breaks in HTML</li> <li>• To learn the use of formatting tags and making lists in an HTML document</li> </ul>	<ul style="list-style-type: none"> <li>• To understand the purpose of a web-based language, HTML</li> <li>• To know the steps to create an HTML document</li> <li>• Concept of tags and their attributes and parameters</li> <li>• To know the structure of an HTML document</li> <li>• To understand different HTML elements</li> <li>• Learn to make headings, comments, line and paragraph breaks in HTML</li> <li>• To learn the use of formatting tags and making lists in an HTML document</li> </ul>
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>

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PHASE 3			
Ch. No.	Chapter Name	Subtopics	PT2 portion Total Marks: 40 Duration: 1 hr 30 minutes
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>
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>

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PHASE 4			
Ch. No.	Chapter Name	Subtopics	<b>YE portion</b> <b>Total Marks: 40</b> <b>Duration: 1 hr 30 minutes</b>
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>