

## SYLLABUS INDICATOR AND EXAM PORTION

Subject: Computer

CBSE – 2024-25

Grade: VII

PHASE 1			
Ch. No.	Chapter Name	Subtopics	PT1 Portion
			<b>Total Marks: 40</b> <b>Duration: 1 hr 30 minutes</b>
1	Computer System	<ul style="list-style-type: none"> <li>• To understand the computer system</li> <li>• Difference between high-level language (HLL) and low-level language (LLL)</li> <li>• Advantages of a computer</li> <li>• What is a computer network?</li> <li>• Advantages of computer network</li> <li>• Types of computer network (LAN, WAN, MAN)</li> <li>• Ethics of using a computer</li> </ul>	<ul style="list-style-type: none"> <li>• To understand the computer system</li> <li>• Difference between high-level language (HLL) and low-level language (LLL)</li> <li>• Advantages of a computer</li> <li>• What is a computer network?</li> <li>• Advantages of computer network</li> <li>• Types of computer network (LAN, WAN, MAN)</li> <li>• Ethics of using a computer</li> </ul>
2	HTML: Lists	<ul style="list-style-type: none"> <li>• Features of HTML</li> <li>• Heading tags</li> <li>• Formatting tags</li> <li>• HTML Lists                             <ul style="list-style-type: none"> <li>a. Ordered list</li> <li>b. Unordered list</li> <li>c. Nested list</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Features of HTML</li> <li>• Heading tags</li> <li>• Formatting tags</li> <li>• HTML Lists                             <ul style="list-style-type: none"> <li>a. Ordered list</li> <li>b. Unordered list</li> <li>c. Nested list</li> </ul> </li> </ul>

PHASE 2			
Ch. No.	Chapter Name	Subtopics	HYE Portion (Theory)
			<b>Total Marks: 40</b> <b>Duration: 1 hr 30 minutes</b>
3	HTML: Images, Tables and Anchor	<ul style="list-style-type: none"> <li>• Creating tables in a web page</li> <li>• Concept of anchors and links</li> <li>• To understand the concept of intra-file linking and inter-file linking</li> <li>• To make an image act like a hyperlink</li> </ul>	<ul style="list-style-type: none"> <li>• Creating tables in a web page</li> <li>• Concept of anchors and links</li> <li>• To understand the concept of intra-file linking and inter-file linking</li> <li>• To make an image act like a hyperlink</li> </ul>

4	Cascading Style Sheet	<ul style="list-style-type: none"> <li>• Quick revision of CSS</li> <li>– Features of CSS</li> <li>– Revision of styles</li> <li>– Some of the commonly used CSS styles: colour, backgroundcolour, font-family, font-size, border, border-style</li> <li>• &lt;DIV &gt; and &lt;SPAN &gt; tags</li> <li>• CSS Classes</li> <li>• CSS Styles: Background, margin, text, padding, font</li> </ul>	<ul style="list-style-type: none"> <li>• Quick revision of CSS</li> <li>– Features of CSS</li> <li>– Revision of styles</li> <li>– Some of the commonly used CSS styles: colour, backgroundcolour, font-family, font-size, border, border-style</li> <li>• &lt;DIV &gt; and &lt;SPAN &gt; tags</li> <li>• CSS Classes</li> <li>• CSS Styles: Background, margin, text, padding, font</li> </ul>
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Ch. No.	Chapter Name	Subtopics	HYE Portion (Practical)	
			Total Marks: 40	Duration: 1 hr 30 minutes
2	HTML: Lists	<ul style="list-style-type: none"> <li>• Features of HTML</li> <li>• Heading tags</li> <li>• Formatting tags</li> <li>• HTML Lists</li> <li>a. Ordered list</li> <li>b. Unordered list</li> <li>c. Nested list</li> </ul>	<ul style="list-style-type: none"> <li>• Heading tags</li> <li>• Formatting tags</li> <li>• HTML Lists</li> <li>a. Ordered list</li> <li>b. Unordered list</li> <li>c. Nested list</li> </ul>	
3	HTML: Images, Tables and Anchor	<ul style="list-style-type: none"> <li>• Creating tables in a web page</li> <li>• Concept of anchors and links</li> <li>• To understand the concept of intra-file linking and inter-file linking</li> <li>• To make an image act like a hyperlink</li> </ul>	<ul style="list-style-type: none"> <li>• Creating tables in a web page</li> <li>• Concept of anchors and links</li> <li>• To understand the concept of intra-file linking and inter-file linking</li> <li>• To make an image act like a hyperlink</li> </ul>	
4	Cascading Style Sheet	<ul style="list-style-type: none"> <li>• Quick revision of CSS</li> <li>– Features of CSS</li> <li>– Revision of styles</li> <li>– Some of the commonly used CSS styles: colour, backgroundcolour, font-family, font-size, border, border-style</li> <li>• &lt;DIV &gt; and &lt;SPAN &gt; tags</li> </ul>	<ul style="list-style-type: none"> <li>• Quick revision of CSS</li> <li>– Revision of styles</li> <li>– Some of the commonly used CSS styles: colour, backgroundcolour, font-family, font-size, border, border-style</li> <li>• &lt;DIV &gt; and &lt;SPAN &gt; tags</li> <li>• CSS Classes</li> </ul>	

	<ul style="list-style-type: none"> <li>• CSS Classes</li> <li>• CSS Styles: Background, margin, text, padding, font</li> </ul>	<ul style="list-style-type: none"> <li>• CSS Styles: Background, margin, text, padding, font</li> </ul>
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PHASE 3			
Ch. No.	Chapter Name	Subtopics	PT2 Portion Total Marks: 40      Duration: 1 hr 30 minutes
5	Operators in Python	<ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Quick revision of the Python commands done in class VI</li> <li>• Operators and their precedence</li> <li>• Arithmetic, Relational, Logical, membership, identity Operators</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Quick revision of the Python commands done in class VI</li> <li>• Operators and their precedence</li> <li>• Arithmetic, Relational, Logical, membership, identity Operators</li> </ul>
6	Conditional statements	<ul style="list-style-type: none"> <li>• What is a Conditional statement?</li> <li>• The if statement</li> <li>• The if ...else statement</li> <li>• Different ways of writing conditional statement</li> <li>• The if... elif ...else statement</li> </ul>	<ul style="list-style-type: none"> <li>• What is a Conditional statement?</li> <li>• The if statement</li> <li>• The if ...else statement</li> <li>• Different ways of writing conditional statement</li> <li>• The if... elif ...else statement</li> </ul>

PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE Portion (Theory) Total Marks: 40      Duration: 1 hr 30 minutes
7	Understanding AR and VR	<ul style="list-style-type: none"> <li>• What is Augmented Reality?</li> <li>• Applications of Augmented Reality</li> <li>• Some commonly used Augmented Reality apps</li> <li>• What is Virtual Reality?</li> <li>• Applications of Virtual Reality</li> <li>• Difference between Augmented Reality and Virtual Reality</li> </ul>	<ul style="list-style-type: none"> <li>• What is Augmented Reality?</li> <li>• Applications of Augmented Reality</li> <li>• Some commonly used Augmented Reality apps</li> <li>• What is Virtual Reality?</li> <li>• Applications of Virtual Reality</li> <li>• Difference between Augmented Reality and Virtual Reality</li> </ul>
8	Internet and Its Uses	<ul style="list-style-type: none"> <li>• What is Internet?</li> <li>• The advantages of Internet</li> <li>• Hacking and ethical hacking</li> </ul>	<ul style="list-style-type: none"> <li>• What is Internet?</li> <li>• The advantages of Internet</li> <li>• Hacking and ethical hacking</li> </ul>

		<ul style="list-style-type: none"> <li>• How is cracking different from hacking?</li> <li>• Difference between a hacker and a cracker</li> <li>• Digital Footprints</li> </ul>	<ul style="list-style-type: none"> <li>• How is cracking different from hacking?</li> <li>• Difference between a hacker and a cracker</li> <li>• Digital Footprints</li> </ul>
9	GIMP	<ul style="list-style-type: none"> <li>• What is GIMP?</li> <li>• How to download GIMP?</li> <li>• Main windows and its components</li> <li>• Common task in GIMP</li> <li>• Enhancing a photograph</li> </ul>	<ul style="list-style-type: none"> <li>• What is GIMP?</li> <li>• How to download GIMP?</li> <li>• Main windows and its components</li> <li>• Common task in GIMP</li> <li>• Enhancing a photograph</li> </ul>

PHASE 4			
Ch. No.	Chapter Name	Subtopics	YE Portion (Practical) Total Marks: 40      Duration: 1 hr 30 minutes
5	Operators in Python	<ul style="list-style-type: none"> <li>• Introduction to Python</li> <li>• Quick revision of the Python commands done in class VI</li> <li>• Operators and their precedence</li> <li>• Arithmetic, Relational, Logical, membership, identity Operators</li> </ul>	<ul style="list-style-type: none"> <li>• Quick revision of the Python commands done in class VI</li> <li>• Operators and their precedence</li> <li>• Arithmetic, Relational, Logical, membership, identity Operators</li> </ul>
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9	GIMP	<ul style="list-style-type: none"> <li>• What is GIMP?</li> <li>• How to download GIMP?</li> <li>• Main windows and its components</li> <li>• Common task in GIMP</li> <li>• Enhancing a photograph</li> </ul>	<ul style="list-style-type: none"> <li>• How to download GIMP?</li> <li>• Main windows and its components</li> <li>• Common task in GIMP</li> <li>• Enhancing a photograph</li> </ul>

**\*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.**