

COMPUTER EDUCATION
CLASS VI
Yearly Syllabus 2026–2027

Half Yearly Examination

S.No	Chapter Name	Sub-topics	Learning Outcomes	Assessment Questions
1	More on Excel 2019	<ul style="list-style-type: none"> • Selecting Cells • Copying/Moving Data • Row Height & Column Width • Inserting Rows/Columns • Merging & Splitting Cells; Formatting • Worksheet Tab • AutoFill 	<ul style="list-style-type: none"> • Perform data handling in Excel • Format spreadsheets • Apply AutoFill and manage worksheets 	<ul style="list-style-type: none"> • What is AutoFill? • Explain merging and splitting cells.
2	Charts, Formulas & Functions in Excel	<ul style="list-style-type: none"> • Cell Range • Charts • Types of Data • Formulas; Order of Operation • Cell Referencing • Worksheet References 	<ul style="list-style-type: none"> • Use formulas and charts for calculations. • Understand data types and referencing 	What is cell referencing? Explain types.
3	Introduction to Artificial Intelligence and Everyday Examples.	<ul style="list-style-type: none"> • Meaning of AI • AI in daily life • AI and automation • Human vs Machine Intelligence • Types of Learning in AI 	<ul style="list-style-type: none"> • Understand AI and its uses in daily life • Differentiate human and machine intelligence • Know basic AI learning types 	<ul style="list-style-type: none"> • What is AI? • Give one example of AI. • Human vs machine intelligence?
4	Basic Data Concepts	<ul style="list-style-type: none"> • Understanding data Types of data • Collecting data Organizing data • Representing data 	<ul style="list-style-type: none"> • Understand data and its types • Learn collecting and organizing data 	<ul style="list-style-type: none"> • What is data? • Name types of data. • Why organize data? •
5	Introduction to HTML5 & CSS3	<ul style="list-style-type: none"> • HTML Tags & Attributes • Rules • Document Structure • Creating & Saving HTML • CSS3 • Editing HTML 	<ul style="list-style-type: none"> • Design basic web pages using HTML and CSS • Understand structure and styling 	<ul style="list-style-type: none"> • What are HTML tags? • What is CSS used for?

Annual Examination

S.No	Chapter Name	• Sub-topics	• Learning Outcomes	• Assessment Questions
6	Algorithmic Intelligence	<ul style="list-style-type: none"> • Algorithm • Flowcharts • Problem Solving • Mind Maps 	<ul style="list-style-type: none"> • Develop logical thinking and problem-solving skills using algorithms and flowcharts 	<ul style="list-style-type: none"> • What is an algorithm? • Draw a simple flowchart.
7	Python	<ul style="list-style-type: none"> • Computer Language • Language Translators • Working of Translators Features • Python programming: <ul style="list-style-type: none"> ➤ Installation ➤ Input/Output ➤ Variables ➤ Data Types ➤ Comments ➤ Operators • Precedence 	<ul style="list-style-type: none"> • Understand basic programming concepts and types of languages • Write basic Python programs • Understand variables and operators 	<ul style="list-style-type: none"> • What are language translators? Name types. • What are variables in Python? • Explain operators.
8	Simple Pattern Recognition and Decision Making	<ul style="list-style-type: none"> • Understanding patterns • Identifying patterns • Observations and conclusions • Decision making 	<ul style="list-style-type: none"> • Identify patterns • Develop logical thinking 	<ul style="list-style-type: none"> • What is a pattern? • Give an example. • How do patterns help?
9	Ethics and Digital Responsibility	<ul style="list-style-type: none"> • Responsible use of technology • Online safety • Privacy • Password safety • Digital footprints 	<ul style="list-style-type: none"> • Learn safe and responsible technology use • Understand privacy and online behaviour 	<ul style="list-style-type: none"> • What is online safety? • What is a strong password? • What are digital footprints?
10	PowerPoint 2019	<ul style="list-style-type: none"> • Creating Photo Album. • Screen Recording • Ink Erasing • Smart Lookup • Ink Annotations 	<ul style="list-style-type: none"> • Create presentations using advanced PowerPoint tools. • Apply features like screen recording and annotations effectively. 	<ul style="list-style-type: none"> • What is Smart Lookup? • How do you create a photo album in PowerPoint?