

HALF YEARLY EXAMINATION: 2026-27_SYLLABUS**CLASS: XI (PCM/B)****DATE: 17.08.2026**

SUBJECTS	UNIT /CHAPTER NO. AND NAME
ENGLISH	Reading Skill: 1. Unseen passage (factual, descriptive or literary) 2. One unseen case-based factual passage with verbal/visual inputs Creative Writing Skills & Grammar: Short Writing Skill: Notice Advertisements (Classified) Invitation and Replies Long Writing Skill: Article writing Letter to Editor/Authority General Grammar -Rearranging words to form meaningful sentences -Transformation of sentences -Correct the error Literature: Hornbill: L-1- The Portrait of a Lady P-1- The Photograph P-2. The Laburnum Top L-2. We 're not afraid to die... L-3. Discovering Tut: The Saga Continues P-3. The Voice of the Rain Snapshots- L-1-The Summer of the Beautiful White Horse L-2-The Address
MATHEMATICS	1. SET THEORY 2. RELATIONS AND FUNCTIONS 3. TRIGONOMETRIC FUNCTIONS 4. COMPLEX NUMBERS 5. LINEAR INEQUALITIES 6. PERMUTATIONS AND COMBINATIONS 7. STRAIGHT LINES 8. CONIC SECTIONS (Circle)
PHYSICS	1. Units and Measurements (NCERT Chapter 1) 2. Kinematics (NCERT Chapter- 2 & 3) 3. Laws of motion (NCERT Chapter 4) 4. Work, Energy and Power (NCERT Chapter 5) 5. Centre of mass (NCERT Chapter 6)
CHEMISTRY	1. Some basic concept of chemistry 2. Atomic structure 3. Periodic classification 4. Chemical bonding 5. Redox reactions

BIOLOGY	1. Cell- The unit of life 2. Cell cycle and division 3. Living world 4. Biological classification 5. Breathing and exchange of gases 6. Respiration in plants 7. Body fluids and circulation 8. Plant Kingdom
COMPUTER SCIENCE	1) Computer Systems and Organisation (10 marks) 2) Basic Python programming (if-else, for loop and while loop) (20 marks) 3) Strings (20 marks) 4) Lists (20 marks)
ARTIFICIAL INTELLIGENCE	1) Unit 1: Introduction: AI for Everyone (8 marks) 2) Unit 2: Unlocking Your Future in AI (8 marks) 3) Unit 3: Python Programming (14 marks) 4) Unit 4: Introduction to Capstone Project (8 marks) 5) Unit 6: Machine Learning Algorithms (12 marks)
DATA SCIENCE	1) Unit I - Ethics in Data Science (10 marks) 2) Unit II - Assessing Data (10 marks) 3) Unit III - Forecasting (10 marks) 4) Vectors in R, Lists in R, Matrices in R (20 marks)
BIOTECHNOLOGY	Ch-1 Biotechnology an overview Ch-2 Biomolecules (micro & macro) Ch-3 concepts of genetics Ch-4 Gene and genome structure & functions
PSYCHOLOGY	CH= What is Psychology CH=Methods of Enquiry in Psychology CH=Human Development CH=Sensory, Attentional and Perceptual Processes
LEGAL STUDIES	Unit 1 - Ch=Concept of State Ch= Forms and Organs of Government Ch=Separation of Powers Ch=Criminal laws in India Unit 3 - Ch=Jurisprudence,Nature andMeaning of Law Ch=Classification of Laws Ch=Sources of Laws Ch= Law Reform Ch=Cyber Laws,Safety and Security in India
PHYSICAL EDUCATION	1. Changing trends and careers in physical education 2. Olympism value education 3. Yoga 4. Physical education and sports for children with special needs 5. Physical fitness, wellness, and lifestyle 6. Test, measurement & evaluation