

**P.S.SENIOR SECONDARY SCHOOL
SYLLABUS FOR QUARTERLY 2025(SCIENCE GROUP)**

SUBJECT	CLASS XI	CLASS XII
ENGLISH	The Portrait of a Lady, A photograph, We're Not afraid to Die....., Discovering Tut.....,The Laburnum Top, The Summer of the Beautiful White Horse, The Address, WRITING: Poster, Classifieds , Debate, Speech Writing, GRAMMAR: General Grammar, Note Making	1.The last lesson 2.Lost Spring 3.Deep water 4.The Rattrap 5.Indigo 6.My mother at 66 7.Keeping Quiet 8.A thing of beauty 9.The third level 10.The tiger king 11.Journey to the end of the world 12.The Enemy 13.Notice writing 14.Invitations & Replies 15.Letter to Editor 16.Article writing
MATHS	Sequence and series; complex numbers; Trigonometry; Linear inequalities; Three Dimensional Geometry; Permutations and combinations; Binomial thm; Sets	1. Relation and function 2.inverse trigonometry function 3. matrices and determinant 4.continuity differentiability and differentiation 5. application of differentiation 6. indefinite integral(only substitution and special integral) 7. vectors and 3d 8. Lpp
PHYSICS	01. Units and Measurements 02. Motion in a straight line 03. Motion in a plane 04. Laws of motion 05. Work, energy and power 06. Gravitation	01. Electrostatic charges and fields 02. Electrtostatic potential and capacitance 03. Current Electricity 04. Moving charges and Magnetism 05. Magnetism Matter 06. Electromagnetic Waves 07. Ray optics and Optical Instruments 08. Wave optics 09. Semiconductor Electronics

CHEMISTRY	1. Basic concepts of chemistry. 2. Atomic structure 3. Periodic classification. 4. Chemical bonding. 5. Thermodynamics 6. Redox reactions	solutions, electrochemistry, d and f block elements, coordination compounds, Haloalkanes and haloarenes, alcohol phenol and ethers, Aldehyde, ketones and carboxylic acids
COMPUTER SCIENCE	Computer System, Introduction to problem solving- Algorithm, Flow chart, Pseudo code., Introduction to python, "Introduction to Computer System, Basics of Python programming, Control Statements: if else, if elif else, while loop, for loop, nested loop String Manipulation	CLASS 11 REVISION FUNCTIONS FILE HANDLING -TEXT, BINARY, CSV FILE EXCEPTIONAL HANDLING FILE PATH DATA BASE CONCEPTS, RELATIONAL MODEL, SQL QUERIES, AGGREGATE FUNCTIONS GROUP BY HAVING, JOINING TABLES PYTHON-MYSQL CONNECTIVITY
BIOLOGY	Chapter-1: The Living World Chapter-2: Biological Classification Chapter-4: Animal Kingdom Chapter-5: Morphology of Flowering Plants Chapter-6: Anatomy of Flowering Plants Chapter-7: Structural Organisation in Animals Chapter-8: Cell-The Unit of Life Chapter-14: Breathing and Exchange of Gases Chapter-15: Body Fluids and Circulation	Chapter-1: Sexual Reproduction in Flowering Plants Chapter-2: Human Reproduction Chapter-4: Principles of Inheritance and Variation Chapter-5: Molecular Basis of Inheritance Chapter-8: Microbes in Human Welfare Chapter 9: Biotechnology : Principles & Processes Chapter-11: Organisms and Populations

INFORMATICS PRACTICES	Introduction to Computer System,Basics of Python programming, Control Statements: if else, if elif else, while loop, for loop, Lists: list operations creating, initializing, traversing and manipulating lists, list methods and built in functions len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum()	DATA HANDLING USING PANDAS- SERIES,DATAFRAME,MATPLOT LIB MYSQL-CLASS 11 REVISION DATABASE QUERY USING SQL - SINGLE ROW,MULTI ROW FUNCTIONS,GROUP BY,HAVING,ORDER BY ,EQUI JOIN INTRODUCTION TO COMPUTER NETWORK
------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------