



KALKA PUBLIC SCHOOL

BPTP (PARKLANDS), SECTOR-76, FARIDABAD, HARYANA

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Midterm Syllabus

Class: XII (Science)

(Session 2026-27)

Subject	Syllabus (With Unit Numbers, Chapter No. and Name)	Project/ Portfolio/ Practical/ ASL
ENGLISH (301)	Section A - Reading Comprehension Section B - Writing Notice Writing , Invitations and Replies , Report writing , Letter Writing (Editor / Job Application) Section C - Literature Flamingo : Prose 1. The Last Lesson 2. Lost Spring 3. Deep Water 4. The Rattrap 5. Indigo Poem : 1. My Mother at Sixty-Six 2. Keeping Quiet 3. A Thing of Beauty Vistas : The Third Level 1. The Tiger King 2. Journey to the End of the Earth 3. The Enemy	ASL

PHYSICS (042)	Chapter 01 - Electric charges and Fields Chapter 02 - Electric potential and capacitance Chapter 03 - current electricity Chapter 04 - Magnetic effect of electric current Chapter 05 - Magnetism and Matter Chapter 06 - Electromagnetic induction Chapter 07 - Alternating current Chapter 08 - Electro Magnetic waves Chapter 11 - Dual Nature of light Chapter 12 - Atom Chapter 13 - Nuclei	Practical file +project +viva
CHEMISTRY(043)	Ch-1: solutions Ch-2: Electrochemistry Ch-3: chemical kinetics Ch-4: d and f block elements Ch-5: coordination compounds Ch-6: Haloalkanes and Haloarenes Ch-7: Alcohol, phenol & ether	Practical file +project +viva
BIOLOGY(044)	UNIT VI - Reproduction CH -1 Sexual Reproduction in Flowering plants CH - 2 Human Reproduction CH -3 Reproductive Health UNIT - VII Genetics & Evolution CH - 5 Principles of inheritance & Variation CH -7 Evolution UNIT - VIII Biology & Human welfare CH - 8 Human health & diseases CH -9 Microwave in human welfare	Investigatory Project
MATHEMATICS (041)Chapter	UNIT -I Chapter - 1 Relations and Functions Chapter - 2 Inverse trigonometric functions Chapter- 3 Matrices Chapter-4 Determinants Chapter- 5 Continuity and Differentiability Chapter-6 Application of Derivatives Chapter - 12 Linear programming	Practical file + Viva voce

AI (843)	UNIT- 2 Data Science Methodology: An Analytic Approach to Capstone Project Unit 3: Making Machines See Unit 5: Introduction to Big Data and Data Analytics Unit 8: Data Storytelling	CBSE Project file Data Analysis Data Visualization Dealing with Big Data
PHYSICAL EDUCATION (048)	1: Management of Sporting Events Chapter 2: Children & Women in Sports Chapter 3: Yoga as Preventive Measure for Lifestyle Disease Chapter 4: Physical Education and Sports for CWSN (Children with Special Needs - Divyang) Chapter 5: Sports and Nutrition Chapter 6: Test & Measurement in Sports	Practical file+Physical activities+yoga asanas