

Indira Gandhi Kala Mahavidyalaya, Ralegaon

Certificate course in **Basic Fundamentals of chemistry**

Syllabus

Chapter I: Modern periodic table, Nature of chemical bond and Hydrogen,.

ChapterII: basic principal and techniques in organic chemistry.

Chapter III: Hydrocarbons- Aliphatic Hydrocarbons, Aromatic Hydrocarbons. Co-ordination compound.

Certificate course in **Basic Concept in Physics**

Syllabus :

Chapter I: Unit, measurement, dimensions and errors, Basics of mechanics

Chapter II: Basic of electricity and electronics, Basics of modern physics (Atoms and nuclei)

Certificate course in **Basic Concepts For Graduate Level Mathematics**

Syllabus

Chapter I: - Introduction of Set theory and its property, Relations, Type of Relations, Functions, Introduction of graphs, Complex Numbers.

Chapter II: - Limit, Continuity and Differentiability of functions for one variable, Introductory Differential equations.

Chapter III:-Introductions of Matrices, Determinants and its property, Vector theory.



I.C. Principal
Indira Gandhi Kala Mahavidyalaya
Ralegaon, Dist. Yavatmal

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Certificate course in **basics of biology**

Syllabus

Chapter I: Diversity of Organisms, Kingdom plantae, Kingdom animalia

Chapter II: Cell- Organization of cell and cell division, Genetic basis of inheritance.

Chapter III: Overview: Respiration, Photosynthesis

Chapter IV: Animal husbandry, Morphology of flowering plants.

Certificate course in **Foundation in Grammar and soft skills**

Syllabus

Chapter I: Nouns: Types: proper noun , collective noun, Abstract noun materialistic noun.

Pronoun: Types: Nominative, Objective, and Possessive. Table of Pronoun, Reflexive Pronoun.

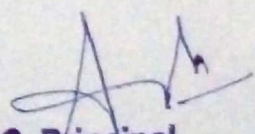
Chapter II: Adjectives: Degree of adjective: positive, comparative, superlative.

Conversion of degrees. Prepositions: prepositions showing direction, position. Words taking more than one preposition

Chapter III: Participles: types: present participles, past participles. Conjunction rules: types of conjunctions, conjunction rules Adverbs: kinds of adverbs, comparison of adverbs, forms of adverbs, positions of Adverbs

Chapter IV: Tenses: Present, Past tense, future tense. Types. Conditional sentences, one word substitution.




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