

ACHARYA COLLEGE OF ENGINEERING

D.AGRAHARAM, BADVEL, KADAPA

Andhra Pradesh POLYCET Exam Syllabus 2021 and Exam Pattern.

Andhra Pradesh POLYCET Exam Pattern

AP CEEP 2021 Exam Paper Pattern						
S.NO	Exam Type	Section	Subject	Questions	Marks	Duration
1.	Objective	A	Mathematics	60	60	2 Hours
2.		B	Physics	30	30	
3.		C	Chemistry	30	30	

Syllabus for Mathematics

- Number System.
- Sets.
- Real Numbers.
- Polynomials.
- Algebra.
- Quadratic Equations.
- Linear Equations.
- Trigonometry.
- Progressions.
- Geometry.
- Coordinate Geometry.
- Surface Areas & Volume.
- Mensuration.
- Probability.
- Statistics.
- Mathematical Modeling.

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Physics Syllabus for AP Polycet Exam

- Heat.
- Chemical Equations & Reactions.
- Reflection of Light.
- Acids, Bases & Salts.
- Refraction of Light at Plane Surface.
- Refraction of Light at Curved Surface.
- Human Eye & Colorful World.
- The structure of an Atom.
- Classification of Elements.
- Chemical Bonding.
- Electricity.
- Magnetic Effects of Electric Current.
- Metallurgy.
- Carbon & its Compounds.

Chemistry Syllabus 2021

- Nuclear Chemistry.
- Chemical Thermodynamics.
- The States of Matter.
- Redox Reactions.
- Chemical and Ionic Equilibrium.
- Electrochemistry.
- Phase equilibria & Solutions.
- Organic compounds with the functional group containing nitrogen.
- Chemical Kinetics.
- Atomic Structure.
- Basic Concepts in Organic Chemistry and Stereochemistry.
- Preparation, Properties, and Reactions of Alkanes, Alkenes, Alkynes.
- Qualitative and quantitative analysis and purification of organic compounds.
- Reactions of Benzene and heterocyclic compounds.
- Organic compounds with the functional group-containing halogens.
- Reactions of α , β unsaturated carbonyl and acids.
- Surface Chemistry.
- Organic compounds with the functional group containing oxygen.
- Biomolecules – Carbohydrates, Protein, Vitamins, Nucleic Acid, Lipids, Hormones.
- Spectroscopy measurements including IR, UV, NMR (proton and carbon 13).
- Urea and malonic ester.
- Polymers.
- Environmental Chemistry.
- Chemistry in everyday life etc.