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# JEECUP Syllabus 2025- Group A, B, C, D, E, F, G, H, I Syllabus PDF

## JEECUP Syllabus 2024 Group A

JEECUP Syllabus 2024 for Group A contains the Class 10 Physics, Chemistry, and Mathematics syllabus. Chapters like Work, force, Polynomials, Quadratic Equation, Classification of Matter, Air, etc are included in this syllabus. Candidates are advised to study from their 10th class textbooks. UPJEE Group A includes the Diploma in Engineering and Technology Course.

## JEECUP Group A Syllabus PDF Based

### Physics Syllabus

- Speed
- Electricity
- Gravitation
- Heat
- Force
- Magnetic effects of electric current
- Microscope
- Work
- Wave Speed
- Solar System
- Domestic Electric Circuit
- Energy
- Human Eye
- The Universe

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## Math Syllabus

- Real Numbers
- Arithmetic progressions
- Triangles, Coordinate Geometry
- Polynomials
- Statistics and probability
- Pair of Linear equations in two variables
- Quadratic equations
- Introduction to trigonometry
- applications of trigonometry
- Circles, areas related to circles, constructions, surface areas, and volumes

## Chemistry Syllabus

- Difference types of substances and their nature
- Classification of matter
- The Necessity of a Balanced Diet
- Electro-Chemical cell
- Mineral Cycle
- Air
- Types of Fuel
- Human Dependence on Natural Resources
- Electrolysis
- Chemical bond
- Physical and Chemical change
- Ecological Balance

## JEECUP Syllabus 2024 Group B

The JEECUP Syllabus for Group B is divided into two sections, one for Mathematics and the other for Physics, Chemistry, or Agriculture. UP JEE syllabus for Group B is made for Diploma in Agriculture course.

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## JEECUP Group B Syllabus PDF Based

### Math Syllabus

- Real Numbers
- Polynomials
- Quadratic equations
- Arithmetic progressions
- Pair of Linear equations in two variables
- Statistics and probability
- Introduction to trigonometry
- Some applications of trigonometry
- Circles, constructions, areas related to circles, surface areas and volumes
- Triangles, Coordinate Geometry

### Agriculture Syllabus

- Soil science
- Irrigation and drainage
- Cultivation of low-farm crops
- Vegetation, Gardening
- Animal husbandry
- Manure and fertilizer
- Land finishing, disasters
- Fruit test

### Chemistry Syllabus

- Difference types of substances and their nature
- Classification of matter
- Air
- Types of Fuel
- The Necessity of a Balanced Diet
- Electrolysis
- Chemical bond
- Physical and Chemical change
- Ecological Balance
- Electro-Chemical cell
- Mineral Cycle
- Human Dependence on Natural Resources

## Physics Syllabus

- Speed
- Electricity
- Gravitation
- Microscope
- Work
- Wave Speed
- Heat
- Force
- Magnetic effects of electric current
- Solar System
- The Universe
- Domestic Electric Circuit
- Energy
- Human Eye

## JEECUP Group C Syllabus 2024

This JEECUP Syllabus for Group C includes English and Hindi comprehension, reasoning and intelligence, and general awareness. All the questions will be at the class 10th level. Candidates interested in pursuing Home Science Fashion Design, Textile Design, and Engineering must consult the JEECUP Group C Syllabus 2024.

- English and Hindi comprehension,
- reasoning and intelligence,
- general awareness

## JEECUP Syllabus 2024 Group D

The JEECUP syllabus for Group D encompasses UP Board English and Hindi Comprehension, Reasoning and Intelligence, Numerical Ability, and General Awareness. Applicants interested in Modern Office Management and secretarial Practice should review the syllabus for this group.

## JEECUP Group D Syllabus PDF Based

- English and Hindi Comprehension,
- Reasoning and Intelligence,
- Numerical Ability, and
- General Awareness

## UPJEE Polytechnic Syllabus 2024 Group E

The UPJEE Polytechnic Syllabus 2024 for Group 'E' includes two sections of Physics and Chemistry, as well as Biology or Mathematics. Applicants applying for this group must prepare according to the 11th and 12th classes curriculum. Applicants interested in doing a Diploma in Pharmacy can view this syllabus.

## JEECUP Group E Syllabus PDF Based

### Math

- Relations and functions
- Application of derivatives
- Matrices
- Integrals, application of integrals
- Differential equations
- Three-dimensional geometry
- Linear programming
- Determinants
- Continuity and differentiability
- Vector algebra
- Probability

### Physics Syllabus

- Electric charges and fields
- Electrostatic competence
- Electromagnetic induction
- Alternating current,
- Electromagnetic waves
- Moving charges and magnetism
- Atoms
- Nuclei

- Current electricity,
- Magnetism and matter,
- Ray optics and optical instrument, wave optics
- The dual nature of radiation and matter
- Semiconductor electronics: materials, devices and communication systems, simple circuits

#### Chemistry

- The solid-state, solutions
- Electrochemistry
- General principles and general process of isolation of elements
- The p-block elements, the d and f-block elements,
- coordination compounds,
- Chemical kinetics
- Surface chemistry
- Alcohol phenols and ethers
- Haloalkanes and haloarenes
- Aldehydes ketones and carboxylic acids.

#### JEECUP Syllabus 2024 Group F

Chemistry, Biology, and Botany are among the topics covered in the JEECUP Syllabus 2024 for Group F. Candidates interested in pursuing a postgraduate degree in biotechnology should review this syllabus. This group's syllabus consists of Graduation academics.

#### JEECUP Group F Syllabus 2024

#### Zoology and Botany Syllabus

- Reproduction in organisms
- Principles of inheritance and variation
- The molecular basis of inheritance
- Sexual reproduction in flowering plants
- Human reproduction, reproductive health
- Microbes in human welfare,
- Organisms a populations, organisms, and populations
- Human health and disease
- Strategies for enhancement in food production

- biotechnology: principles and processes
- Biotechnology and its applications
- 12. Ecosystem, biodiversity and conservation, environmental issues

#### Maths Syllabus

- Relations and functions
- Continuity and differentiability
- Matrices
- Determinants
- Differential equations
- Vector algebra,
- Three-dimensional geometry, linear programming, probability
- Application of derivatives
- Integrals, application of integrals,

#### Chemistry Syllabus

- The solid-states
- Solutions
- Surface Chemistry,
- General principles and general process of isolation of elements
- Electrochemistry
- Chemical kinetics
- Coordination of compounds,
- the p-block elements,
- coordination compounds,
- the d and f block elements,
- Haloalkanes and haloarenes,
- Aldehydes ketones and carboxylic acids
- alcohols phenols and ethers

#### JEECUP Syllabus 2024 Group G

The JEECUP Syllabus 2024 for Group G involves the same syllabus as graduation. It has 5 sections on English Comprehension, Numerical Ability, Reasoning, General Intelligence, and General Awareness. Candidates interested in pursuing Post Graduate Diploma Courses should consult the syllabus of this group.

## JEECUP Group G Syllabus 2024

- English Comprehension,
- Numerical Ability,
- Reasoning,
- General Intelligence, and
- General Awareness

## UP Polytechnic Syllabus 2024 Group H

Intermediate-level questions will be asked as well in this paper. The Group H - UP Polytechnic Syllabus 2024 is divided into five sections: Reasoning and Logical Discussion, Numerical Ability and Scientific Aptitude, English, and General Knowledge. Candidates who pass this group paper will be admitted to the Diploma in Hotel Management programme.

## JEECUP Group H Syllabus 2024

### Chemistry

- The solid-state
- Solutions
- General principles and general process of isolation of elements
- Electrochemistry
- Chemical kinetics,
- coordination of compounds
- surface chemistry
- The p-block elements,
- d and f block elements,
- coordination compounds
- alcohols phenols and ethers
- Haloalkanes and haloarenes,
- Aldehydes ketones and carboxylic acids.

### Physics

- Electric charges and fields
- Electrostatic competence
- Alternating current,
- moving charges and magnetism,



- Current electricity,
- magnetism and matter,
- electromagnetic induction,
- electromagnetic waves
- Ray optics and optical instruments,
- wave optics
- Dual nature of radiation and matter,
- semiconductor electronics: materials, devices
- atoms,
- nuclei,
- semiconductor electronics: simple circuits, communication systems

### JEECUP Syllabus 2024 - Group I

The UPJEE 2024 Syllabus for Group I contains the 11th and 12th grade curriculums. It also has sections on Physics, Chemistry, and Mathematics. Candidates interested in pursuing a Diploma in Aircraft Maintenance Engineering, a Diploma in Aircraft Maintenance Engineering (Avionics), or a Diploma in Aircraft Maintenance Engineering (Helicopters and Powerplants) should look into this group.

### JEECUP Group I Syllabus 2024

#### Chemistry

- The solid-state
- Solutions
- General principles and general process of isolation of elements,
- Electrochemistry
- Chemical kinetics, surface chemistry
- Haloalkanes and haloarenes,
- alcohols phenols
- coordination of compounds
- The p-block elements,
- d and f block elements,
- coordination compounds
- ketones and carboxylic acids
- ethers and Aldehydes

## Maths

- Relations and functions
- Continuity and differentiability
- Matrices
- Determinants
- Three-dimensional geometry
- Application of derivatives, integrals, application of integrals
- Linear programming,
- Differential equations, vector algebra
- probability

## Physics

- Electric charges and fields
- Magnetism and matter, electromagnetic induction
- Ray optics and optical instrument,
- wave optics,
- Electrostatic competence
- dual nature of radiation and matter,
- Current electricity, moving charges and magnetism
- Alternating current,
- electromagnetic waves
- atoms,
- nuclei
- Semiconductor electronics: materials, devices & simple circuits, communication systems

## JEECUP Syllabus 2024 Group K

Candidates who want Lateral Entry into the Second Year of an Engineering Diploma must look into this JEECUP Group K Syllabus. High school-level mathematics, physics, chemistry, and engineering questions will be asked in this paper.

## JEECUP Group K Syllabus 2024

- mathematics,
- physics,
- chemistry,
- engineering