

AIIMS 2021 PREPARATORY MODEL ONLINE EXAMINATIONS

EXAM PORTAL: www.brilliantpalaexams.com

UNIT-V

Phy: Physical World, Units & Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion

Che: Chemical & Ionic Equilibria, Organic Chemistry - some basic principles (Naming), p-block elements (I-year), s-block Elements (Alkali & Alkaline Earth Metals)

Bio: Transport in Plants, Photosynthesis in Higher Plants, Respiration in Plants, Locomotion & Movement, Excretory Product & Their Elimination

UNIT - VI

Phy: Work, Energy and Power, System of Particles and Rigid body rotation, Gravitation

Che: Thermodynamics, Hydrogen, Electrochemistry, Redox Reactions, Environmental Chemistry

Bio: Cell-The Unit of Life, Biomolecules, Cell Cycle and Cell Division, Neural Control and Coordination, Chemical Coordination and Integration

UNIT - VII

Phy: Oscillations, Mechanical Properties of Solids & Fluids

Che: Chemical Bonding and Molecular Structure, Structure of Atom, Organic Reaction Mechanism, Purification & Characterisation of Organic Compounds

Bio: Plant Kingdom, Anatomy of Flowering Plants, Animal Kingdom - Chordata and Non-Chordata

UNIT - VIII

Phy: Waves, Thermal Properties of Matter, Thermodynamics & Kinetic Theory of gases

Che: Some Basic Concepts in Chemistry, States of Matter - (Gases and Liquids), Hydrocarbons, Classification of Elements and Periodicity in Properties,

Bio: The Living World, Biological Classification, Morphology of Flowering Plants, Structural Organisation in Animals (Animal Tissues, Morphology of Animals)

MODEL	TOPICS	DATE	DAY	TIME	EXAM
1	Unit V+VI	15-03-2020	Sunday	9.45 - 12.45	NEET - 180 Qn.
				01.45 - 03.15	NEET (NCERT) - 90 Qn.
2	Unit VII	19-03-2020	Thursday	9.45 - 12.45	NEET - 180 Qn.
				01.45 - 03.15	NEET (NCERT) - 90 Qn.
3	Unit VIII	23-03-2020	Monday	9.45 - 12.45	NEET - 180 Qn.
				01.45 - 03.15	NEET (NCERT) - 90 Qn.
4	Unit VII+VIII	27-03-2020	Friday	9.45 - 12.45	NEET - 180 Qn.
				01.45 - 03.15	NEET (NCERT) - 90 Qn.

IIT - 2021 PREPARATORY MODEL ONLINE EXAMINATIONS

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UNIT - I

Phy: Physical World, Units & Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion, **Che.:** Some Basic Concepts of Chemistry, Structure of Atoms, Classification of Elements, Organic Chemistry - some basic principles (Naming), **Maths:** Sets, Relation and Binary Operations, Mathematical Induction, Linear inequations & inequalities, Quadratic equations, Complex numbers.

UNIT - II

Phy: Work, Energy and Power, System of Particles and Rigid body rotation, Gravitation, **Che.:** Chemical Bonding & Molecular Structure, Hydrogen, States of Matter - (Gases & Liquids), Organic Reaction Mechanism, **Maths:** Trigonometry (Trigonometry functions) Mathematical Reasoning, Statistics, Limit & derivatives.

UNIT - III

Phy: Oscillations, Mechanical Properties of Solids & Fluids, **Che:** Thermodynamics, Redox Reactions, s-Block Elements, Purification & Characterization of Organic Compounds, **Maths:** Permutations Combinations binomial theorem, Sequence and series.

UNIT - IV

Phy: Waves, Thermal Properties of Matter, Thermodynamics & Kinetic Theory of gases, **Che:** Chemical and Ionic Equilibrium, p-Block Elements, Hydrocarbons, Environmental Chemistry, **Maths:** Co-ordinate Geometry (Straight line, Circles, Conic Sections).

MODEL	TOPICS	DATE	DAY	TIME	EXAM
1	Unit - I	17-03-2020	Tuesday	10.00 - 01.00	JEE Main
				02.00 - 05.00	JEE Advanced
2	Unit - II	21-03-2020	Saturday	10.00 - 01.00	JEE Main
				02.00 - 05.00	JEE Advanced
3	Unit - III	25-03-2020	Wednesday	10.00 - 01.00	JEE Main
				02.00 - 05.00	JEE Advanced
4	Unit - IV	28-03-2020	Saturday	10.00 - 01.00	JEE Main
				02.00 - 05.00	JEE Advanced