

**PAGE**

THE ADVANTAGE OF GOOD EDUCATION



## Procedures

As per the schedule the tests shall be available at our website for you to download which can be accessed using user id & password assigned by us.

We expect you to answer the tests and fill the specific answer sheet at our site within **three** working days after you download a test.

Evaluated test solutions and your national ranking shall be mailed to your [e-mail id](#) within a week time after the scheduled test.

## Rules

- Students are required to submit their attempts / answer sheets of the stipulated tests in scheduled time.
- Students are not eligible to receive further tests, if they do not submit their attempts/ answer sheets.
- Please note that free enrollment does not automatically entitle a student to receive tests and their solutions. Solutions to un-attempted tests shall NOT be provided.
- In mid April full length AIEEE tests are mailed to you based on your performance in Progress, Proficiency modules.

# Schedule

Students are advised to go through the relevant books on the scheduled topic for all the tests spread. over 20 weeks

## 1<sup>st</sup> Week

Test	Subject	Topic
Progress	Physics	Description of motion in one dimension
Progress	Mathematics	Sets, relations and functions
Progress	Chemistry	Atoms, molecules and chemical arithmetic

## 2<sup>nd</sup> Week

Test	Subject	Topic
Progress	Physics	Description of motion in two and three dimension, Laws of motion
Progress	Mathematics	Complex numbers, Matrices and determinants
Progress	Chemistry	Elements their occurrence and extraction, States of matter gaseous state

## 3<sup>rd</sup> Week

Test	Subject	Topic
Progress	Physics	Work energy and power, Rotational motion and moment of inertia
Progress	Mathematics	Quadratic equations
Progress	Chemistry	Atomic structures constituents of the atom, Chemical families-periodic properties

**4<sup>th</sup> Week**

Test	Subject	Topic
Proficiency	Physics	Description of motion in one dimension, Description of motion in two and three dimension, Laws of motion, Work energy and power, Rotational motion and moment of inertia
Proficiency	Mathematics	Sets relations and functions, Complex numbers, matrices and determinants, Quadratic equations
Proficiency	Chemistry	Atoms molecules and chemical arithmetic, Elements their occurrence and extraction, States of matter gaseous state, Atomic structures constituents of the atom, chemical families-periodic properties

**5<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Gravitation, Properties of matter
Progress	Mathematics	Permutation and combination
Progress	Chemistry	Chemical bonding and molecular structure

**6<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Oscillations, Waves
Progress	Mathematics	Mathematical inductions and its applications, Binomial theorem and its applications, Sequences and series
Progress	Chemistry	The solid state, Solutions

**7<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Heat and thermodynamics, Transfer of heat
Progress	Mathematics	Differential calculus
Progress	Chemistry	Chemical energetics and thermodynamics, Chemical equilibrium

**8<sup>th</sup> Week**

Test	Subject	Topic
Proficiency	Physics	Gravitation, Properties of matter, Oscillations, Waves, Heat and thermodynamics, Transfer of heat
Proficiency	Mathematics	Permutation and combination, Mathematical inductions and its applications, Binomial theorem and its applications, Sequences and series, Differential calculus
Proficiency	Chemistry	Chemical Bonding and molecular structure, The solid state, Solutions, Chemical energetics and thermodynamics, Chemical equilibrium

**9<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Electrostatics
Progress	Mathematics	Integral calculus
Progress	Chemistry	Redox reaction and electrochemistry, Rates of chemical reactions and chemical kinetics

**10<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Current electricity
Progress	Mathematics	Differential equations
Progress	Chemistry	Chemistry of hydrocarbons, Purification and characterisation of organic compounds

**11<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Thermal and chemical effects of currents
Progress	Mathematics	Two dimensional geometry
Progress	Chemistry	Organic chemistry based on functional group - 1, functional group - 2, functional group - 3

**12<sup>th</sup> Week**

Test	Subject	Topic
Proficiency	Physics	Electrostatics, Current electricity, Thermal and chemical effects of currents
Proficiency	Mathematics	Integral calculus, Differential equations, Two dimensional geometry
Proficiency	Chemistry	Redox reactions and electrochemistry, Rates of chemical reactions and chemical kinetics, Chemistry of hydrocarbons, Purification and characterisation of organic compounds, Organic chemistry based on functional group – 1, functional group - 2, functional group - 3

**13<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Magnetic effects of currents
Progress	Mathematics	Three dimensional geometry
Progress	Chemistry	Chemistry of non metals – 1, Chemistry of non metals – 2

**14<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Magnetostatics, Electromagnetic induction and alternating currents
Progress	Mathematics	Vector algebra
Progress	Chemistry	Chemistry of lighter metals, Heavy metals

**15<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Ray optics, Wave optics
Progress	Mathematics	Measures of central tendency and dispersion
Progress	Chemistry	Chemistry of representative elements

**16<sup>th</sup> Week**

Test	Subject	Topic
Proficiency	Physics	Magnetic effects of currents, Magnetostatics, Electromagnetic induction and alternating currents, Ray optics, Wave optics
Proficiency	Mathematics	Three dimensional geometry, Vector algebra, Measures of central tendency and dispersion
Proficiency	Chemistry	Chemistry of non metals – 1, Chemistry of non metals - 2, Chemistry of lighter metals, Heavy metals, Chemistry of representative elements

**17<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Electromagnetic waves
Progress	Mathematics	Probability
Progress	Chemistry	Transition metals including lanthanides, Coordination chemistry and organo metallics

**18<sup>th</sup> Week**

Test	Subject	Topic
Progress	Physics	Electrons and photons
Progress	Mathematics	Trigonometry
Progress	Chemistry	Nuclear chemistry, Synthetic and natural polymers

### 19<sup>th</sup> Week

Test	Subject	Topic
Progress	Physics	Atoms molecules and nuclei, Solids and semi conductor devices
Progress	Mathematics	Statics, Dynamics
Progress	Chemistry	Surface chemistry, Bio molecules and biological process, Chemistry in action

### 20<sup>th</sup> Week

Test	Subject	Topic
Proficiency	Physics	Electromagnetic waves, Electrons and photons, Atoms molecules and nuclei, Solids and semi conductor devices
Proficiency	Mathematics	Probability, Trigonometry, Statics and dynamics
Proficiency	Chemistry	Transition metals including lanthanides, Coordination chemistry and organo metallics, Nuclear chemistry, Synthetic and natural polymers, Surface chemistry, Bio molecules and biological process, Chemistry in action

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