

# TEST SERIES SCHEDULE: NEET UG/JEE-MAINS

## PIMPRI & MOSHI BRANCH

BATCH	TEST NUMBER & DOE, Timing	BIOLOGY SYLLABUS	CHEMISTRY SYLLABUS	MATH SYLLABUS	PHYSICS SYLLABUS
CLASS 11 <sup>th</sup> :EVENING BATCH 1:MOSHI BRANCH	MINOR TEST 03  18/10/2019 3PM-6PM	<b>1. Cell Structure and Function</b>  <b>2. BIOMOLECULE</b> <b>3. ANIMAL KINGDOM</b> <b>4. PLANT KINGDOM</b> <b>5. TRANSPORT IN PLANT</b> <b>6. BODY FLUID &amp; CIRCULATION</b>	<b>1. S-BLOCK ELEMENTS:</b> GROUP 1 ELEMENTS: ALKALI METALS, CHEMICAL PROPERTIES, GENERAL CHARACTERISTICS OF THE COMPOUNDS OF THE ALKALI METALS, ANOMALOUS PROPERTIES OF LITHIUM <b>2. Classification of elements and periodicity in properties</b>  <b>3. Some basic concepts of chemistry</b>  <b>4. States of matter</b>	<b>1. Set, relation &amp; function</b> <b>2. Trigonometry</b>	<b>1. OSCILLATIONS :</b> (SHM, damped and forced oscillations & Resonance) Periodic (harmonic) motion and Oscillatory motion, Periodic motion-period, frequency, displacement as a function of time, Periodic functions, Simple harmonic motion (SHM) and its equation; Velocity, Acceleration and Phase, Oscillations of a spring-restoring force and force constant. Equivalent spring constant of Series and parallel combinations,

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 For PCM Group (PHYSICS:30 MCQ, CHEMISTRY:30 MCQ, MATH:30 MCQ)  
 For PCMB Group (PHYSICS:20 MCQ, CHEMISTRY:20 MCQ, BIOLOGY:40 MCQ, MATH:20 MCQ)

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					<p>Energy in SHM – Kinetic and Potential energies, Simple pendulum-derivation of expression for its time period, Superposition of two SHMs of Same Frequency in the same direction, Free, forced and damped oscillations (qualitative ideas only), resonance.</p> <p><b>2.UNIT, DIMENSIONS AND MEASUREMENTS :</b> Absolute Error, Relative Error, Percentage Error and Combination of Errors, Significant figures and its rules for Arithmetic operations (i.e. addition, subtraction, multiplication</p>
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For PCM Group(PHYSICS:30 MCQ,CHEMISTRY:30 MCQ,MATH:30 MCQ)

For PCMB Group(PHYSICS:20 MCQ,CHEMISTRY:20 MCQ,BIOLOGY:40 MCQ, MATH:20 MCQ)

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					and division), Rounding off the uncertain digits.  <b>3. KINEMATICS:</b> Relative Velocity in two dimensions (Rain-Man problem, River-Boat Problem & wind based questions) <b>4. LAWS OF MOTION:</b> Equilibrium of concurrent forces-Lami's theorem
<b>CLASS 11<sup>th</sup>:PIMPRI BRANCH</b>	<b>MINOR TEST 03</b>  18/10/2019 3PM-6PM	1.body fluid & Circulation 2.Plant Kingdom 3.Animal Kingdom 4.Morphology of Flowering Plant 5.Anatomy of flowering plant	1.Structure of Atom  2. Classification of elements and periodicity in properties  3. Some basic concepts of chemistry	1.Set, relation & function 2. Trigonometry	<b>1.UNIT, DIMENSIONS AND MEASUREMENTS :</b> Absolute Error, Relative Error, Percentage Error and Combination of Errors, Significant figures

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4. States of matter

5. redox reaction

and its rules for Arithmetic operations (i.e. addition, subtraction, multiplication and division), Rounding off the uncertain digits.

**2. KINEMATICS:**

Relative Velocity in two dimensions (Rain-Man problem, River-Boat Problem & wind based questions)

**3. LAWS OF MOTION:**

Equilibrium of concurrent forces-Lami's theorem, Motion of bodies in contact or connected by strings, Pulley systems

**4. Friction** :Cause of Friction, Static and Kinetic friction, Laws of friction,

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For PCM Group(PHYSICS:30 MCQ,CHEMISTRY:30 MCQ,MATH:30 MCQ)

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# TEST SERIES SCHEDULE: NEET UG/JEE-MAINS

## PIMPRI & MOSHI BRANCH

					Limiting Static and Kinetic friction coefficients, Angle of Friction, Angle of Repose, Rolling friction, Lubrication.
<b>CLASS 11<sup>th</sup>:MORNING BATCH:MOSHI BRANCH</b>	<b>MINOR TEST 03</b>  18/10/2019 3PM-6PM	1.Plant Kingdom 2.Animal Kingdom 3.cell structure & function 4.Biomolecule 5.Cell Division & cell cycle	1.Some basic concepts of chemistry  2. States of matter  3. Classification of elements and periodicity in properties  4.REDOX REACTION	1.Set, relation & function 2. Trigonometry 3. Mathematical induction	<b>1.UNIT, DIMENSIONS AND MEASUREMENTS :</b> Absolute Error, Relative Error, Percentage Error and Combination of Errors, Significant figures and its rules for Arithmetic operations (i.e. addition, subtraction, multiplication

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## PIMPRI & MOSHI BRANCH

					<p>and division), Rounding off the uncertain digits.</p> <p><b>2. KINEMATICS:</b> Relative Velocity in two dimensions (Rain-Man problem, River-Boat Problem &amp; wind based questions)</p> <p><b>3.LAWS OF MOTION :</b> Intuitive concept of force, Basic or Fundamental forces in nature, The law of Inertia, Newton's first law of motion ,Momentum and Newton's second law of motion; impulse, Newton's third law of motion, Common forces in mechanics-Weight,</p>
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## PIMPRI & MOSHI BRANCH

					Normal reaction, Friction, Contact force, Tension in string, Free Body diagram, Equilibrium of concurrent forces-Lami's theorem, Motion of bodies in contact or connected by strings, Pulley systems, Frame of Reference- Inertial and Non Inertial Frames. Pseudo Force and its applications, 4. <b>Friction</b> :Cause of Friction, Static and Kinetic friction, Laws of friction, Limiting Static and Kinetic friction coefficients, Angle of Friction, Angle of Repose, Rolling friction,
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## PIMPRI & MOSHI BRANCH

					Lubrication.
<b>CLASS 11<sup>th</sup>:EVENING BATCH 2:MOSHI BRANCH</b>	<b>MINOR TEST 03  18/10/2019 3PM-6PM</b>		<b>1. GOC:</b> General introduction, Tetra valence of carbon: Shapes of organic compounds, structural representation of organic compounds, classification and IUPAC nomenclature of organic compounds. <b>2. S-BLOCK ELEMENTS:</b> GROUP 1 ELEMENTS: ALKALI METALS, CHEMICAL PROPERTIES, GENERAL CHARACTERISTICS OF THE COMPOUNDS OF THE ALKALI METALS, ANOMALOUS PROPERTIES OF LITHIUM, General characteristics of	<b>1. Set, relation &amp; function</b> <b>2. Trigonometry</b> <b>3. Mathematical induction</b>	<b>1. UNIT, DIMENSIONS AND MEASUREMENTS :</b> Absolute Error, Relative Error, Percentage Error and Combination of Errors, Significant figures and its rules for Arithmetic operations (i.e. addition, subtraction, multiplication and division), Rounding off the uncertain digits.  <b>2. KINEMATICS:</b> Relative Velocity in two dimensions (Rain-Man problem, River-Boat Problem & wind based

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## PIMPRI & MOSHI BRANCH

compounds of the alkaline earth metals, some important compounds of Calcium

**3. Classification of elements and periodicity in properties**

**4. Some basic concepts of chemistry**

questions)

**3.LAWS OF MOTION :** Intuitive concept of force, Basic or Fundamental forces in nature, The law of Inertia, Newton's first law of motion ,Momentum and Newton's second law of motion; impulse, Newton's third law of motion, Common forces in mechanics-Weight, Normal reaction, Friction, Contact force, Tension in string, Free Body diagram, Equilibrium of concurrent forces-Lami's theorem, Motion of bodies in contact or connected by strings, Pulley systems,

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## PIMPRI & MOSHI BRANCH

					Frame of Reference- Inertial and Non Inertial Frames. Pseudo Force and its applications, <b>4. GRAVITATION :</b> Introduction to Gravitation, Limitations of Newton's Law of Gravitation, Vector Repre- sentation of Gravitational Force, Principle of Superposition of Forces, Gravitational Field, Gravitational Field Strength due to a Point Mass and Extended Bodies
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<p>12<sup>th</sup>+ Repeater:MOSHI BRANCH</p>	<p>MINOR TEST 04</p> <p>18/10/2019 3PM-6PM</p>	<p>1.Biology in human welfare 2.Reproduction 3.Principle of inheritance &amp; variation 4.principle &amp; process of biotechnology 5.Biotechnology &amp; its application 6.photosynthesis 7.Respiration</p>	<p>1.GOC 2.Structure of Atom 3. Classification of elements and periodicity in properties 4. Chemical bonding and molecular structure 5.Chemical kinetics 6.States of Matter 7.Redox Reaction 8.electrochemistry 9.S-Block</p>		<p>1.ELECTROSTAT &amp; 2.CAPACITOR 3.CURRENT &amp; ELECTRICITY 4.PROPERTIES OF MATTER 5.MAGNETIC EFFECT OF CURRENT AND MAGNETISM 7.ELECTROMAGNETIC INDUCTION 8.SHM</p>
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<b>REPEATER BATCH:PIMPRI</b>	<b>MINOR TEST 03</b>  18/10/2019 3PM-6PM	1.PLANT KINGDOM 2.ANIMAL KINGDOM 3.Reproduction in organism 4.Sexual Reproduction in flowering plant 5.Biotechnology:principle & process 6.Biotechnology & its application 7. Principle of inheritance & variation	1.GOC 2.Hydrocarbon 3. Classification of elements and periodicity in properties 4. Chemical bonding and molecular structure 5. Some basic concepts of chemistry 6.Solutions 7.States of matter		1.RAY OPTICS 2.SHM 3.KINEMATICS(1D,2D) 3. <b>WAVE</b> :Introduction to Waves, Basic Characteristics of a Mechanical Wave, Different Types of Mechanical Waves, Phase Propagation in a SHW, Propagation of a Progressive Wave Pulse, Generation of Wave Pulses, Equation of a Simple Harmonic Wave, Velocity and Acceleration of a Medium Particle in SHW 4. <b>LAWS OF MOTION</b> : Intuitive concept of force, Basic or Fundamental forces in nature, The law
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