



Study Planner for XI-NEET



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Aakash

Medical | IIT-JEE | Foundations
(Divisions of Aakash Educational Services Limited)



From Managing Director's Desk

A lot has changed at Aakash during the transition from a humble coaching institute to becoming a recognized name in the education field. We live by the notion that the very essence of success is a strong value system. We still believe in the age-old Indian concept of "Guru-Shishya" relationship where a guru shares his knowledge reserve with his pupils and the 'Shishya' strives hard to quench his/her thirst for knowledge.

It has been our endeavour to make Aakash much more than a coaching institute, which is to build it into an institution of repute and purpose. We consider our students the torchbearers of the future of the country and thus, aim to enlighten the future of the nation through this young generation. We dream of a progressing India through the eyes of our students and assist them in accomplishing their dreams with the collective efforts of our faculty & staff members, our students and their parents.

For 31 years, we have been nurturing students and helping them in their endeavour to qualify in various Engineering and Medical entrance exams in the country. This endeavour is actually a journey, which we take along with our students. We wish to feel their emotions, their frustrations, their dreams, their vision, their struggles and their joys. Together we live an experience, which they would remember as one of the most cherished moments in their lives after qualifying the coveted competitive exams.

Even today, we aim at clearing doubts and strengthening the fundamentals of students in their subjects, because we believe these cleared doubts and strengthened fundamentals will eventually strengthen the destiny of our nation, which actually lies in these hands that are holding the 'mighty' pen & are now learning with technology. And we are confident that with Aakash, their future is in safe and progressive hands.

J. C. Chaudhry

Chairman & Managing Director (CMD)

About Aakash iTutor

Recorded Video Lectures on NEET syllabus by master Aakash Faculty help you boost your preparation and perform well in the exam. Learn at your own pace with Video Lectures. Assess yourself by taking the online tests and clear your doubts via 'Ask an Expert'.

Your tools to prepare

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Study Planner

For systematic planning and execution of your preparation



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Get real time solutions from our database of queries and answers. Also get your doubts clarified by Aakash Faculty in a stipulated time

NEET (National Eligibility cum Entrance Test)

From 2019 onwards the National Eligibility cum Entrance Test has been conducted by the National Testing Agency (NTA). NEET (UG) is applicable for admission to MBBS/BDS Courses in India in Medical/Dental Colleges run with the approval of Medical Council of India/Dental Council of India under the Union Ministry of Health and Family Welfare, Government of India.

The responsibility of the NTA is limited to the conduct of the entrance examination, declaration of result and providing All India Rank to the Directorate General Health Services (DGHS), New Delhi, Government of India for the conduct of counselling for 15% All India Quota Seats and for supplying the result to state/other Counselling Authorities.

Candidates seeking admission in AFMC for MBBS Course will register online through NEET and they will also have to register at www.afmc.nic.in. The candidates who want to get admission in AFMC MBBS course will have to necessarily appear in NEET entrance examination. After qualifying NEET exam, candidates will have to appear for ToELR computer-based test (CBT) conducted by AFMC authority

As per the NMC Act, 2019, AIIMS and JIPMER have now be replaced by NEET. Now the candidates need to apply only for NEET 2020 to get admission to MBBS courses in AIIMS, New Delhi, JIPMER and all AIIMS like Institutions.

In view of the current situation being faced due to the Novel Coronavirus (COVID-19) outbreak, the safety of our students is our prime concern. We are, thus, taking necessary steps towards ensuring that the studies of our students remain uninterrupted.

In order to avoid any loss of studies, we have shared i-Tutor credentials with you and now we are sharing STUDY PLANNER to streamline the flow of studies. As and when the situation improves, we shall commence classes for the regular classroom course, along with continuing to provide free i-Tutor access.

Follow the STUDY PLANNER and BE AHEAD OF THE PACK.



Weekly Study Planner

1st April - 5th April, 2020

Physics

Chapter 1: Physical World

1.1 Physical world ☐

Chapter 2: Units & Measurements

2.1 Introduction to physical quantities ☐

Chemistry

Chapter 1: Some Basic Concepts of Chemistry

1.1 Application and importance of chemistry ☐

1.2 Laws of chemical combination ☐

Botany

Chapter 1: Cell - The Unit of Life

1.1 Introduction to chapter cell ☐

1.2 Eukaryotic cell part-1 ☐

Zoology

Chapter 1: Structural Organisation of Animals

1.1 Epithelial tissue and its types ☐

1.2 Connective tissue and its types ☐

6th April - 12th April, 2020

Physics

Chapter 2: Units & Measurements

2.2 Methods of measurement ☐

2.3 Error in measurement ☐

Chemistry

Chapter 1: Some Basic Concepts of Chemistry

1.3 Mole Concept ☐

1.4 Law of chemical equivalence ☐

Botany

Chapter 1: Cell - The Unit of Life

1.3 Eukaryotic cell part-2 ☐

1.4 Eukaryotic cell part-3 ☐

Zoology

Chapter 1: Structural Organisation of Animals

1.3 Muscular and nervous tissue ☐

Chapter 2: Biomolecules

2.1 Introduction to Biomolecules ☐

Weekly Study Planner

13th April - 19th April, 2020

Physics

Chapter 2: Units & Measurements

- 2.4 Significant figures & dimensional analysis ☐
- 2.5 Application of dimensional analysis ☐

Chemistry

Chapter 1: Some Basic Concepts of Chemistry

- 1.5 Percentage composition and empirical formula ☐
- 1.6 Stoichiometry ☐

Botany

Chapter 1: Cell - The Unit of Life

- 1.5 Eukaryotic cell part-4 ☐
- 1.6 Eukaryotic cell part-5 ☐

Zoology

Chapter 2: Biomolecules

- 2.2 Biomolecules- Lipids ☐
- 2.3 Biomolecules-Proteins ☐

20th April - 26th April, 2020

Physics

Chapter 3: Motion in a Straight Line

- 3.1 Motion in a straight line ☐
- 3.2 Speed and velocity ☐

Chemistry

Chapter 1: Some Basic Concepts of Chemistry

- 1.7 Reactions in solutions ☐
- Chapter 2: Structure of Atom**
- 2.1 Discovery of subatomic particles ☐

Botany

Chapter 2: Cell Cycle and Cell Division

- 2.1 Introduction ☐
- 2.2 Mitosis ☐

Zoology

Chapter 2: Biomolecules

- 2.4 Biomolecules- Nucleic acid ☐
- 2.5 Biomolecules- Enzymes -I ☐

Weekly Study Planner

27th April - 3rd May, 2020

Physics

Chapter 3: Motion in a straight line

3.3 Speed and velocity continued ☐

3.4 Calculus ☐

Chemistry

Chapter 2: Structure of Atom

2.2 Different models of atom, Maxwell's wave theory and Plank quantum theory ☐

2.3 Atomic spectrum and dual nature ☐

Botany

Chapter 2: Cell cycle and cell division

2.3 Meiosis ☐

Chapter 3: Living World

3.1 Introduction ☐

Zoology

Chapter 2: Biomolecules

2.6 Biomolecules- Enzyme II ☐

Chapter 3: Digestion and Absorption

3.1 Anatomy of Digestive System I ☐

4th May - 10th May, 2020

Physics

Chapter 3: Motion in a straight line

3.5 Complex integration numericals ☐

3.6 Acceleration ☐

Chemistry

Chapter 2: Structure of Atom

2.4 Bohr's model and dual nature of matter ☐

2.5 Heisenberg's uncertainty principal and quantum mechanical model ☐

Botany

Chapter 3: Living World

3.2 Biodiversity ☐

3.3 Taxonomic hierarchy ☐

Zoology

Chapter 3: Digestion and Absorption

3.2 Anatomy of Digestive System II ☐

3.3 Physiology of digestion I ☐

Weekly Study Planner

11th May - 17th May, 2020

Physics

Chapter 3: Motion in a straight line

- 3.7 Application of calculus (Part-A) ☐
- 3.8 Application of calculus (Part-B) ☐

Chemistry

Chapter 2: Structure of Atom

- 2.6 Some important graphs and electronic configuration ☐

Chapter 3: Classification of elements and periodicity in properties

- 3.1 Genesis of classification and modern periodic table ☐

Botany

Chapter 3: Living World

- 3.4 Taxonomical aids ☐
- 3.5 Taxonomical aids (1) ☐

Zoology

Chapter 3: Digestion and Absorption

- 3.4 Physiology of digestion II ☐

Chapter 4: Breathing and Exchange of Gases

- 4.1 Breathing and Exchange of gases - Introduction ☐

Physics

Chapter 3: Motion in a straight line

- 3.9 Kinematics / Equation of Motion ☐
- 3.10 Motion under Gravity ☐

Chemistry

Chapter 3: Classification of elements and periodicity in properties

- 3.2 Properties of elements & their variation in Modern periodic table ☐

Chapter 4: Chemical Bonding & Molecular Structure

- 4.1 Types of Chemical bonding ☐

Botany

Chapter 4: Biological Classification

- 4.1 Kingdom systems of classification. ☐
- 4.2 Monera ☐

Zoology

Chapter 4: Breathing and Exchange of Gases

- 4.2 Process of respiration ☐
- 4.3 Process of respiration contd. ☐

Weekly Study Planner

25th May - 31st May, 2020

Physics

Chapter 3: Motion in a straight line

- 3.11 Galileo Law of Odd Number ☐
- 3.12 Graphs ☐

Chemistry

Chapter 4: Chemical Bonding & Molecular Structure

- 4.2 VSEPR theory and dipole moment ☐
- 4.3 Resonance and Valence bond theory ☐

Botany

Chapter 4: Biological classification

- 4.3 Monera(1)
- 4.4 Monera (2)

Zoology

Chapter 4: Breathing and Exchange of Gases

- ☐ 4.4 Mechanism of Regulation ☐

Chapter 5: Body Fluids and Circulation

- ☐ 5.1 Body Fluids Part-1 ☐



Thank You



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Detailed Academic Planner (April & May 2020)



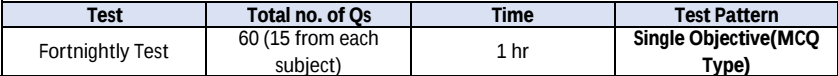
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Daily Schedule for Long Term Students : Class XI for NEET 2022 April - May 2020 - English (New Version)

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Test	Total no. of Qs	Time	Test Pattern
Fortnightly Test	60 (15 from each subject)	1 hr	Single Objective(MCQ Type)

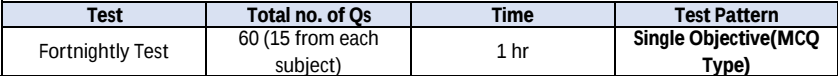
Daily Schedule for Long Term Students : Class XI for NEET 2022
April - May 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
11-May-20	Monday	Physics	3. Motion in a straight line	Lecture Code: 3.7 Application of calculus (Part-A) Lecture Code: 3.8 Application of calculus (Part-B)	YES	Optional	NA	Ask an Expert (All Day)
		Botany	3. Living world	Lecture Code: 3.4 Taxonomic aids Lecture Code: 3.5 Taxonomic aids.(1)	YES	Optional	NA	Ask an Expert (All Day)
12-May-20	Tuesday	Physics	3. Motion in a straight line	Lecture Code: 3.7 Application of calculus (Part-A) Lecture Code: 3.8 Application of calculus (Part-B)	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	3. Living world	Lecture Code: 3.4 Taxonomic aids Lecture Code: 3.5 Taxonomic aids(1)	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
13-May-20	Wednesday	Revision Day						
14-May-20	Thursday	Chemistry	2. Structure of Atom, 3. Classification of elements and periodicity in properties	Lecture Code: 2.6 Some Important graphs and electronic configuration Lecture Code: 3.1 Genesis of classification and modern periodic table	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	3. Digestion and Absorption, 4. Breathing and Exchange of Gases	Lecture Code: 3.4 Physiology of digestion II Lecture Code: 4.1 Breathing and Exchange of gases - Introduction	YES	Optional	NA	Ask an Expert (All Day)
15-May-20	Friday	Chemistry	2. Structure of Atom, 3. Classification of elements and periodicity in properties	Lecture Code: 2.6 Some Important graphs and electronic configuration Lecture Code: 3.1 Genesis of classification and modern periodic table	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	3. Digestion and Absorption, 4. Breathing and Exchange of Gases	Lecture Code: 3.4 Physiology of digestion II Lecture Code: 4.1 Breathing and Exchange of gases - Introduction	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm

Test	Total no. of Qs	Time	Test Pattern
Fortnightly Test	60 (15 from each subject)	1 hr	Single Objective(MCQ Type)

Daily Schedule for Long Term Students : Class XI for NEET 2022
April - May 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
16-May-20	Saturday	Revision Day						
17-May-20	Sunday	Fortnightly Test-03						
18-May-20	Monday	Physics	3. Motion in a straight line	Lecture Code: 3.9 Kinematics / Equation of Motion Lecture Code: 3.10 Motion under Gravity	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4. Biological classification	Lecture Code: 4.1 kingdom systems of classification. Lecture Code: 4.2 Monera	YES	Optional	NA	Ask an Expert (All Day)
19-May-20	Tuesday	Physics	3. Motion in a straight line	Lecture Code: 3.9 Kinematics / Equation of Motion Lecture Code: 3.10 Motion under Gravity	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4. Biological classification	Lecture Code: 4.1 kingdom systems of classification. Lecture Code: 4.2 Monera	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
20-May-20	Wednesday	Revision Day						
21-May-20	Thursday	Chemistry	3. Classification of elements and periodicity in properties, 4. Chemical Bonding & Molecular Structure	Lecture Code: 3.2 Properties of elements & their variation in Modern periodic table Lecture Code: 4.1 Types of Chemical bonding	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	4. Breathing and Exchange of Gases	Lecture Code: 4.2 Process of respiration Lecture Code: 4.3 Process of Respiration contd.	YES	Optional	NA	Ask an Expert (All Day)
22-May-20	Friday	Chemistry	3. Classification of elements and periodicity in properties, 4. Chemical Bonding & Molecular Structure	Lecture Code: 3.2 Properties of elements & their variation in Modern periodic table Lecture Code: 4.1 Types of Chemical bonding	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	4. Breathing and Exchange of Gases	Lecture Code: 4.2 Process of respiration Lecture Code: 4.3 Process of Respiration contd.	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm



Daily Schedule for Long Term Students : Class XI for NEET 2022 April - May 2020 - English (New Version)

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Phase- 01 (TYM)

Version 1.0

Test Pattern - Total no. of Qs = 60 MCQs (15 from each subject),
Duration - 1 Hr.



Two Year Medical : Planner for Fortnightly Test - 2020-2022
April & May - 2020

Test No.	Test Date	Day	Topic			
			Physics	Chemistry	Botany	Zoology
Fortnightly Test-01	19th April	Sunday	Physical World, Units & Measurements: Introduction, International system of units, Measurement of length, Mass, Time, Accuracy, Precision of instruments.	Some Basic Concepts of Chemistry: Importance of chemistry, Nature of matter, Properties of matter and their measurement : Mass and weight, volume, density, temperature, Uncertainty in measurement, Scientific notation, Addition and subtraction, Multiplication and division, Significant figures, Dimensional analysis., Laws of chemical combination : Law of conservation of mass, Law of definite proportions, Law of multiple proportions, Gay lussac's law of gaseous volumes, Avogadro law, Dalton's atomic theory., Atomic and molecular masses : Atomic mass, Average atomic mass, Molecular mass, Formula mass.	Cell: The Unit of Life: Introduction, What is a cell?, Cell theory, An overview of cell, Prokaryotic cell-structure, Gram staining, Eukaryotic cell structure, Difference between prokaryotic and eukaryotic cell, difference between plant cell and animal cell, plasma membrane, Cell wall, endomembrane system– Endoplasmic reticulum, Golgi body	Structural organisation in Animals–Animal Tissues-I: Epithelial Tissue: General features, basement membrane, Types of epithelial tissues- Simple., Compound epithelium, specialized epithelial tissues, glandular epithelium, Types of simple & compound glands, Connective Tissue: Connective tissue proper, Loose connective tissue, Dense connective tissues-characters with examples. Supportive connective tissue: Cartilage, Types of cartilage-Hyaline, Elastic, white fibrocartilage & Calcified cartilage , Supportive Connective Tissue: Bone , its structure & composition, Types of bones: Compact bone, Spongy bone, Differences between cartilage & bone: Dried bone & decalcified bone. Cartilage, Investing bone, Sesamoid bone and Visceral bone
Fortnightly Test-02	3rd May	Sunday	Units & Measurements: Errors in measurements, Significant figures, Dimensions of physical quantities, Dimensional formulae & dimensional equations, Dimensional analysis and its applications.	Some Basic Concepts of Chemistry: Mole concept, Molar mass, equivalent mass, Percentage composition, Empirical formula, Stoichiometry and Stoichiometric calculations., Calculations regarding limiting reagents.	Cell: The Unit of Life (Contd.): Lysosome, Vacuole; Mitochondria, Plastid. Ribosome, Cytoskeleton, Centrosome and centrioles, Cilia and flagella, Nucleus, Chromosomes, Microbodies, Cell Cycle & Cell Division: Introduction, Cell cycle–phases of cell cycle	Structural organisation in Animals–Animal Tissues-II: Muscular Tissue: Types of Muscles: Striated and non-striated/Smooth muscles (Single unit & Multiunit smooth muscles; Cardiac muscles), Nervous Tissue: Structure of neuron and its parts, Different types of neuron; Myelinated & Nonmyelinated neurons, Neuroglia cells-Types of glial cells, Biomolecules-I: Primary and secondary metabolites, Carbohydrates, Monosaccharides, Triose, Pentose, Hexose, Heptose, Derivatives of monosaccharides, Oligosaccharides, Functions of small carbohydrates, Polysaccharides-homopolysaccharides & heteropolysaccharides, storage & structural polysaccharides

Phase- 01 (TYM)

Version 1.0

Test Pattern - Total no. of Qs = 60 MCQs (15 from each subject),
Duration - 1 Hr.



Two Year Medical : Planner for Fortnightly Test - 2020-2022
April & May - 2020

Test No.	Test Date	Day	Topic			
			Physics	Chemistry	Botany	Zoology
Fortnightly Test-03	17th May	Sunday	Motion in a Straight Line: Introduction, Position, Path length and displacement, Average velocity & average speed., Differential calculus, Applications of differential calculus, Instantaneous velocity & speed, Acceleration	Some Basic Concepts of Chemistry: Reactions in solutions : Mass percentage or weight percentage, Mole-fraction, Molarity, Molality, Normality, Structure of Atom: Sub-atomic particles : Discovery of electron, Charge to mass ratio of electron, Charge on electron, Discovery of proton and neutron. Thomson model of atom, Rutherford's nuclear model of atom, Atomic and Mass number, Isobars and isotopes., Particle nature of electromagnetic radiation : Plank's quantum theory, Photoelectric effect, Dual behaviour of electromagnetic radiation.	Cell Cycle & Cell Division (Contd.): Mitosis-definition, Karyokinesis, cytokinesis, significance, Meiosis-definition, Meiosis-I, Meiosis-II, significance of meiosis, The living world: Introduction, What is living?, Characteristics of living beings, Diversity in the living world, Nomenclature, Need for classification, Classification - taxonomy, Systematics	Biomolecules-II: Aminoacids: Structure, types, Polar, Non polar, acidic, basic, neutral, alcoholic, aromatic, heterocyclic, functions of amino acids. Peptide bond formation, Structure of protein-Primary, secondary, tertiary, quaternary, Properties of proteins. Types of proteins and their functions, Lipids: Structure and classification of lipids, simple lipids, conjugated lipids, derived lipids, functions of lipids, Nitrogenous bases, nucleosides, nucleotides, higher nucleotides, types of nucleotides, functions of nucleotides, Nucleic acid-DNA, RNA structure, types of it and function, Enzymes: Importance, activation energy, chemical nature, active site, Classes of enzymes: Oxidoreductase, Transferase, Hydrolase, Lyase, Isomerase, Ligase; Properties of enzymes, Working of enzymes-Lock & Key model, Induce fit theory
Fortnightly Test-04	31st May	Sunday	Motion in a Straight Line: Integral calculus, Applications of Integral calculus, Graphs (slope, area etc.), Kinematic equations for uniformly accelerated motion., Motion under gravity, Relative velocity in one dimension.	Structure of Atom: Emission and absorption spectra, Line spectrum of hydrogen, Bohr's model for hydrogen atom, Explanation of Bohr's model., Dual behaviour of matter, Heisenberg's uncertainty principle, Significance of uncertainty principle, Reason for the failure of the Bohr model., Quantum mechanics, Hydrogen atom and the Schrodinger equation, Orbitals and Quantum numbers, Shapes of atomic orbitals, Energies of atomic orbitals, Filling of orbitals in atom : Aufbau principle, Pauli's exclusion principle, Hunds rule of maximum multiplicity, Electronic configuration of atoms, Causes of Stability of completely filled and half filled sub-shells	The living world(Contd.): Taxonomic categories, Biological concept of species, Taxonomical aids- Herbarium, Botanical gardens, museum, zoological parks, Key, Flora, Manual, Monographs, Catalogues,	Biomolecules: Enzymes: Factors affecting the enzyme activity: substrate concentration, Km value, Product concentration, Temperature, pH; Enzyme inhibition-competitive, Non competitive, Allosteric enzymes, Isoenzymes and proenzymes