Aakash iTutor

Study Planner

for

XI-NEET (April-May)

Aakash Digital

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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

Watch Videos

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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.

Aakash iTutor

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 in 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-Protiens ☐
- 2.3 Biomolecules-Lipids ☐

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 Continued ☐

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 ☐

18th May - 24th May, 2020

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. ☐

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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 ☐

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Detailed Academic Planner (April & May 2020)

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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
1-Apr-20	Wednesday	Physics	1. Physical World, 2. Units & Measurements	**Lecture Code: 1.1** Physical World **Lecture Code: 2.1** Introduction to physical quantities.	YES	Optional	NA	Ask an Expert (All Day)
		Botany	1. Cell - The unit of life	**Lecture Code: 1.1** Introduction to chapter cell **Lecture Code: 1.2** Eukaryotic cell part-1	YES	Optional	NA	Ask an Expert (All Day)
2-Apr-20	Thursday	Physics	1. Physical World, 2. Units & Measurements	**Lecture Code: 1.1** Physical World **Lecture Code: 2.1** Introduction to physical quantities.	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	1. Cell - The unit of life	**Lecture Code: 1.1** Introduction to chapter cell **Lecture Code: 1.2** Eukaryotic cell part-1	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
3-Apr-20	Friday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.1** Application and importance of chemistry **Lecture Code: 1.2** Laws of chemical combination	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	1. Structural Organisation in Animals	**Lecture Code: 1.1** Epithelial tissue and its types **Lecture Code: 1.2** Connective tissue and its types	YES	Optional	NA	Ask an Expert (All Day)
4-Apr-20	Saturday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.1** Application and importance of chemistry **Lecture Code: 1.2** Laws of chemical combination	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	1. Structural Organisation in Animals	**Lecture Code: 1.1** Epithelial tissue and its types **Lecture Code: 1.2** Connective tissue and its types	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
5-Apr-20	Sunday	**Revision Day**						

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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
6-Apr-20	Monday	Physics	2. Units & Measurements	**Lecture Code: 2.2** Methods of measurement **Lecture Code: 2.3** Error in Measurement	YES	Optional	NA	Ask an Expert (All Day)
		Botany	2. Cell - The unit of life	**Lecture Code: 1.3** Eukaryotic cell part-2 **Lecture Code: 1.4** Eukaryotic cell part-3	YES	Optional	NA	Ask an Expert (All Day)
7-Apr-20	Tuesday	Physics	2. Units & Measurements	**Lecture Code: 2.2** Methods of measurement **Lecture Code: 2.3** Error in Measurement	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	2. Cell - The unit of life	**Lecture Code: 1.3** Eukaryotic cell part-2 **Lecture Code: 1.4** Eukaryotic cell part-3	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
8-Apr-20	Wednesday	**Revision Day**						
9-Apr-20	Thursday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.3** Mole Concept **Lecture Code: 1.4** Law of chemical equivalance	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	1. Structural Organisation in Animals, 2. Biomolecules	**Lecture Code: 1.3** Muscular and nervous tissue **Lecture Code: 2.1** Introduction to Biomolecules	YES	Optional	NA	Ask an Expert (All Day)
10-Apr-20	Friday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.3** Mole Concept **Lecture Code: 1.4** Law of chemical equivalance	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	1. Structural Organisation in Animals, 2. Biomolecules	**Lecture Code: 1.3** Muscular and nervous tissue **Lecture Code: 2.1** Introduction to Biomolecules	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
11-Apr-20	Saturday	**Revision Day**						
12-Apr-20	Sunday							

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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
13-Apr-20	Monday	Physics	2. Units & Measurements	**Lecture Code: 2.4** Significant figures & dimensional analysis **Lecture Code: 2.5** Application of dimensional Analysis	YES	Optional	NA	Ask an Expert (All Day)
		Botany	2. Cell - The unit of life	**Lecture Code: 1.5** Eukaryotic cell part-4 **Lecture Code: 1.6** Eukaryotic cell part-5	YES	Optional	NA	Ask an Expert (All Day)
14-Apr-20	Tuesday	Physics	2. Units & Measurements	**Lecture Code: 2.4** Significant figures & dimensional analysis **Lecture Code: 2.5** Application of dimensional Analysis	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	2. Cell - The unit of life	**Lecture Code: 1.5** Eukaryotic cell part-4 **Lecture Code: 1.6** Eukaryotic cell part-5	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
15-Apr-20	Wednesday	**Revision Day**						
16-Apr-20	Thursday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.5** Percentage composition and empirical formula **Lecture Code: 1.6** Stoichiometry	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	2. Biomolecules	**Lecture Code: 2.2** Biomolecules- Proteins **Lecture Code: 2.3** Biomolecules-Lipids	YES	Optional	NA	Ask an Expert (All Day)
17-Apr-20	Friday	Chemistry	1. Some Basic Concepts of Chemistry	**Lecture Code: 1.5** Percentage composition and empirical formula **Lecture Code: 1.6** Stoichiometry	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	2. Biomolecules	**Lecture Code: 2.2** Biomolecules- Proteins **Lecture Code: 2.3** Biomolecules-Lipids	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
18-Apr-20	Saturday	**Revision Day**						
19-Apr-20	Sunday	**Fortnightly Test-01**						

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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
20-Apr-20	Monday	Physics	3. Motion in a straight line	**Lecture Code: 3.1** Motion in a straight line **Lecture Code: 3.2** Speed and velocity	YES	Optional	NA	Ask an Expert (All Day)
		Botany	2. Cell cycle and cell division	**Lecture Code: 2.1** Introduction **Lecture Code: 2.2** Mitosis	YES	Optional	NA	Ask an Expert (All Day)
21-Apr-20	Tuesday	Physics	3. Motion in a straight line	**Lecture Code: 3.1** Motion in a straight line **Lecture Code: 3.2** Speed and velocity	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	2. Cell cycle and cell division	**Lecture Code: 2.1** Introduction **Lecture Code: 2.2** Mitosis	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
22-Apr-20	Wednesday	**Revision Day**						
23-Apr-20	Thursday	Chemistry	1. Some Basic Concepts of Chemistry, 2. Structure of Atom	**Lecture Code: 1.7** Reactions in Solutions **Lecture Code: 2.1** Discovery of subatomic particles	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	2. Biomolecules	**Lecture Code: 2.4** Biomolecules- Nucleic acid **Lecture Code: 2.5** Biomolecules- Enzymes -I	YES	Optional	NA	Ask an Expert (All Day)
24-Apr-20	Friday	Chemistry	1. Some Basic Concepts of Chemistry, 2. Structure of Atom	**Lecture Code: 1.7** Reactions in Solutions **Lecture Code: 2.1** Discovery of subatomic particles	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	2. Biomolecules	**Lecture Code: 2.4** Biomolecules- Nucleic acid **Lecture Code: 2.5** Biomolecules- Enzymes -I	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
25-Apr-20	Saturday	**Revision Day**						
26-Apr-20	Sunday							

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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
27-Apr-20	Monday	Physics	3. Motion in a straight line	**Lecture Code: 3.3** Speed and velocity continued. **Lecture Code: 3.4** Calculus Continued	YES	Optional	NA	Ask an Expert (All Day)
		Botany	2. Cell cycle and cell division, 3. Living world	**Lecture Code: 2.3** Meiosis **Lecture Code: 3.1** Introduction	YES	Optional	NA	Ask an Expert (All Day)
28-Apr-20	Tuesday	Physics	3. Motion in a straight line	**Lecture Code: 3.3** Speed and velocity continued. **Lecture Code: 3.4** Calculus Continued	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	2. Cell cycle and cell division, 3. Living world	**Lecture Code: 2.3** Meiosis **Lecture Code: 3.1** Introduction	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
29-Apr-20	Wednesday	**Revision Day**						
30-Apr-20	Thursday	Chemistry	2. Structure of Atom	**Lecture Code: 2.2** Different models of atom, Maxwell's wave theory and plank quantum theory **Lecture Code: 2.3** Atomic spectrum and dual nature	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	2. Biomolecules, 3. Digestion and Absorption	**Lecture Code: 2.6** Biomolecules- Enzyme II **Lecture Code: 3.1** Anatomy of Digestive System I	YES	Optional	NA	Ask an Expert (All Day)
1-May-20	Friday	Chemistry	2. Structure of Atom	**Lecture Code: 2.2** Different models of atom, Maxwell's wave theory and plank quantum theory **Lecture Code: 2.3** Atomic spectrum and dual nature	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	2. Biomolecules, 3. Digestion and Absorption	**Lecture Code: 2.6** Biomolecules- Enzyme II **Lecture Code: 3.1** Anatomy of Digestive System I	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
2-May-20	Saturday	**Revision Day**						
3-May-20	Sunday	**Fortnightly Test-02**						

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Daily Schedule for Long Term Students : Class XI for NEET 2022
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Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
4-May-20	Monday	Physics	3. Motion in a straight line	**Lecture Code: 3.5** Complex integration numericals **Lecture Code: 3.6** Acceleration	YES	Optional	NA	Ask an Expert (All Day)
		Botany	3. Living world	**Lecture Code: 3.2** Biodiversity **Lecture Code: 3.3** Taxonomic hierarchy	YES	Optional	NA	Ask an Expert (All Day)
5-May-20	Tuesday	Physics	3. Motion in a straight line	**Lecture Code: 3.5** Complex integration numericals **Lecture Code: 3.6** Acceleration	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	3. Living world	**Lecture Code: 3.2** Biodiversity **Lecture Code: 3.3** Taxonomic hierarchy	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
6-May-20	Wednesday	**Revision Day**						
7-May-20	Thursday	Chemistry	2. Structure of Atom	**Lecture Code: 2.4** Bohr's model and dual nature of matter **Lecture Code: 2.5** Heisenberg's uncertainity principal and quantum mechanical model	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	3. Digestion and Absorption	**Lecture Code: 3.2** Anatomy of Digestive System II **Lecture Code: 3.3** Physiology of digestion I	YES	Optional	NA	Ask an Expert (All Day)
8-May-20	Friday	Chemistry	2. Structure of Atom	**Lecture Code: 2.4** Bohr's model and dual nature of matter **Lecture Code: 2.5** Heisenberg's uncertainity principal and quantum mechanical model	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	3. Digestion and Absorption	**Lecture Code: 3.2** Anatomy of Digestive System II **Lecture Code: 3.3** Physiology of digestion I	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
9-May-20	Saturday	**Revision Day**						
10-May-20	Sunday							

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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)**

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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	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	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm

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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
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 Mordern 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 Mordern 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

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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
23-May-20	Saturday	**Revision Day**						
24-May-20	Sunday							
25-May-20	Monday	Physics	3. Motion in a straight line	**Lecture Code: 3.11** Galileo Law of Odd no **Lecture Code: 3.12** Graphs	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4. Biological classification	**Lecture Code: 4.3** Monera(1) **Lecture Code: 4.4** Monera (2)	YES	Optional	NA	Ask an Expert (All Day)
26-May-20	Tuesday	Physics	3. Motion in a straight line	**Lecture Code: 3.11** Galileo Law of Odd no **Lecture Code: 3.12** Graphs	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4. Biological classification	**Lecture Code: 4.3** Monera(1) **Lecture Code: 4.4** Monera (2)	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
27-May-20	Wednesday	**Revision Day**						
28-May-20	Thursday	Chemistry	4. Chemical Bonding & Molecular Structure	**Lecture Code: 4.2** VSEPR theory and dipole moment **Lecture Code: 4.3** Resonance and Valence bond theory	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	4. Breathing and Exchange of Gases, 5. Body fluids and circulation	**Lecture Code: 4.4** Mechanism of Regulation **Lecture Code: 5.1** Body Fluids part-1	YES	Optional	NA	Ask an Expert (All Day)
29-May-20	Friday	Chemistry	4. Chemical Bonding & Molecular Structure	**Lecture Code: 4.2** VSEPR theory and dipole moment **Lecture Code: 4.3** Resonance and Valence bond theory	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	4. Breathing and Exchange of Gases, 5. Body fluids and circulation	**Lecture Code: 4.4** Mechanism of Regulation **Lecture Code: 5.1** Body Fluids part-1	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
30-May-20	Saturday	**Revision Day**						
31-May-20	Sunday	**Fortnightly Test-04**						

Phase- 01 (TYM)

Version 1.0

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

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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.

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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

Aakash iTutor

Study Planner

for

XI-NEET (June-July)

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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'.

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Practice questions & solutions

Tests & Reports
Attempt tests offline/online & check your ranking

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Check your progress

Study Planner
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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.

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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 June - 7th June, 2020

Physics

Chapter 3: Motion in a Straight Line

- 3.13 Variations of slope ☐
- 3.14 Graphical analysis of motion (part-1) ☐

Chemistry

Chapter 4: Chemical Bonding and Molecular Structure

- 4.4 Hybridisation ☐
- 4.5 Hybridisation in different molecules ☐

Botany

Chapter 4: Biological classification

- 4.5 Eubacteria ☐
- 4.6 Protista (photosynthetic protists) ☐

Zoology

Chapter 5: Body fluids and circulation

- 5.2 Body Fluids part-2 ☐
- 5.3 Circulatory system ☐

8th June - 14th June, 2020

Physics

Chapter 3: Motion in a Straight Line

- 3.15 Graphical analysis of motion (part-2) ☐
- 3.16 Acceleration-time graph ☐

Chemistry

Chapter 4: Chemical Bonding and Molecular Structure

- 4.6 Molecular orbital theory ☐
- 4.7 Molecular orbital theory and hydrogen bonding ☐

Botany

Chapter 4: Biological classification

- 4.7 Protista (decomposer protists) ☐
- 4.8 Fungi ☐

Zoology

Chapter 5: Body fluids and circulation

- 5.4 Regulation of cardiac Activity ☐
- 5.5 Circulatory pathways ☐

Weekly Study Planner

15th June - 21st June, 2020

Physics

Chapter 3: Motion in a Straight Line

- 3.17 Relative velocity in 1-D ☐

Chapter 4: Motion in a Plane

- 4.1 Scalar and Vector ☐
- 4.2 Arithmetics of vectors: Addition ☐

Chemistry

Chapter 5: States of Matter

- 5.1 Intermolecular forces and thermal energy ☐
- 5.2 The gas laws ☐

Botany

Chapter 4: Biological classification

- 4.9 Fungi (1) ☐
- 4.10 Fungi (2) ☐

Zoology

Chapter 6: Excretory products and their Elimination

- 6.1 Role of excretion & Regulation of solutes & water ☐
- 6.2 Evolution of vertebrate kidneys & Human excretory system ☐

22nd June - 28th June, 2020

Physics

Chapter 4: Motion in a Plane

- 4.3 Arithmetics of vectors: Subtraction, Resolution of vector ☐
- 4.4 Numerical based on arithmetics of vectors ☐
- 4.5 Introduction of motion in plane, velocity and acceleration in 2-D motion ☐

Chemistry

Chapter 5: States of Matter

- 5.3 Dalton's law, Graham's law and KMTG ☐
- 5.4 Different type of velocities and real gas equation ☐

Botany

Chapter 4: Biological classification

- 4.11 Fungi (3) ☐
- 4.12 Fungi (4) ☐

Zoology

Chapter 6: Excretory products and their Elimination

- 6.3 Mechanism of Urine formation ☐
- 6.4 Regulation of Urine formation ☐

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Weekly Study Planner

29th June - 5th July, 2020

Physics

Chapter 4: Motion in a Plane

- 4.6 Projectile Motion : Part A ☐
- 4.7 Projectile Motion : Part B ☐
- 4.8 Projectile Motion : Part C ☐

Chemistry

Chapter 5: States of Matter

- 5.5 Compressibility factor and liquid state ☐

Chapter 6: Thermodynamics

- 6.1 Important thermodynamic terms ☐

Botany

Chapter 4: Biological classification

- 4.13 Viruses, viroids and lichens ☐

Chapter 5: Morphology in flowering plants

- 5.1 The Root ☐

Zoology

Chapter 7: Locomotion and Movement

- 7.1 Introduction to Locomotion & Movement ☐
- 7.2 Mechanism of Muscle contraction & its types ☐

6th July - 12th July, 2020

Physics

Chapter 4: Motion in a Plane

- 4.9 Projectile motion as plane inclined ☐
- 4.10 Horizontal Projection, Circular motion ☐
- 4.11 Uniform and nonuniform circular motion radius of curvature ☐

Chemistry

Chapter 6: Thermodynamics

- 6.2 Heat work and internal energy ☐
- 6.3 Internal energy change and enthalpy change ☐

Botany

Chapter 5: Morphology in flowering plants

- 5.2 Stem ☐
- 5.3 Leaf ☐

Zoology

Chapter 7: Locomotion and Movement

- 7.3 Human Skeletal System ☐

Chapter 8: Neural control and coordination

- 8.1 Neural System ☐

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Weekly Study Planner

13th July - 19th July, 2020

Physics

Chapter 4: Motion in a Plane

- 4.12 Relative motion in 2-D motion: Part-A ☐
- 4.13 Relative motion in 2-D motion: Part-B ☐

Chapter 5: Laws of Motion

- 5.1 Introduction to forces & laws of Motion ☐

Chemistry

Chapter 6: Thermodynamics

- 6.4 Thermodynamic reaction and heat capacity ☐
- 6.5 Enthalpy change of a reaction and hess law ☐

Botany

Chapter 5: Morphology in flowering plants

- 5.4 Inflorescence ☐
- 5.5 Flower ☐

Zoology

Chapter 8: Neural control and coordination

- 8.2 Central Nervous System I ☐
- 8.3 Central Nervous System II ☐

20th July - 26th July, 2020

Physics

Chapter 5: Laws of Motion

- 5.2 Newton's 3rd Law & Importance ☐
- 5.3 Problem Solving Technique ☐
- 5.4 Pulley & constraint Motion ☐

Chemistry

Chapter 6: Thermodynamics

- 6.6 Enthalpy Change of Different Type of Reactions ☐
- 6.7 Spontaneity, Entropy and Gibb's Energy ☐

Botany

Chapter 5: Morphology in flowering plants

- 5.6 Male and Female reproductive part, placentation. ☐
- 5.7 Fruits ☐

Zoology

Chapter 8: Neural control and coordination

- 8.4 Sensory reception and processing ☐
- 8.5 Mechanism of image formation ☐

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Weekly Study Planner

27th July - 2nd August, 2020

Physics

Chapter 5: Laws of Motion

- 5.5 Frame of Reference ☐
- 5.6 Friction and Its Type ☐
- 5.7 Multiple block system ☐

Chemistry

Chapter 6: Thermodynamics

- 6.8 Spontaneity, Entropy and Gibb's Free Energy Continued ☐

Botany

Chapter 5: Morphology in flowering plants

- 5.8 Seeds ☐

Chapter 6: Anatomy in flowering plants

- 6.1 Tissues ☐

Zoology

Chapter 8: Neural control and coordination

- 8.6 Hearing, gustation and olfaction ☐

Chapter 9: Chemical Coordination and Integration

- 9.1 Endocrine Glands (I) and Hormones ☐

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Detailed Academic Planner (June-July 2020)

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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)**
Term Exam	180 (45 from each subject)	3 hr	**Single Objective (MCQ Type)**

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
1-Jun-20	Monday	Physics	3. Motion in a Straight Line	**Lecture Code: 3.13** Variations of slope **Lecture Code: 3.14** Graphical analysis of motion (part-1)	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4.Biological classification	**Lecture Code: 4.5** Eubacteria **Lecture Code: 4.6** protista(photosynthetic protists)	YES	Optional	NA	Ask an Expert (All Day)
2-Jun-20	Tuesday	Physics	3. Motion in a Straight Line	**Lecture Code: 3.13** Variations of slope **Lecture Code: 3.14** Graphical analysis of motion (part-1)	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4. Biological classification	**Lecture Code: 4.5** Eubacteria **Lecture Code: 4.6** protista(photosynthetic protists)	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
3-Jun-20	Wednesday	**Revision Day**						
4-Jun-20	Thursday	Chemistry	4. Chemical Bonding and Molecular Structure	**Lecture Code: 4.4** Hybridisation **Lecture Code: 4.5** Hybridisation in different molecules	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	5.Body fluids and circulation	**Lecture Code: 5.2** Body Fluids part-2 **Lecture Code: 5.3** Circulatory system	YES	Optional	NA	Ask an Expert (All Day)
5-Jun-20	Friday	Chemistry	4. Chemical Bonding and Molecular Structure	**Lecture Code: 4.4** Hybridisation **Lecture Code: 4.5** Hybridisation in different molecules	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	5.Body fluids and circulation	**Lecture Code: 5.2** Body Fluids part-2 **Lecture Code: 5.3** Circulatory system	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
6-Jun-20	Saturday	**Revision Day**						
7-Jun-20	Sunday							
8-Jun-20	Monday	Physics	3. Motion in a Straight Line	**Lecture Code: 3.15** Graphical analysis of motion (part-2) **Lecture Code: 3.16** Acceleration-time graph	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4.Biological classification	**Lecture Code: 4.7** Protista(decomposer protists) **Lecture Code: 4.8** Fungi	YES	Optional	NA	Ask an Expert (All Day)

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
9-Jun-20	Tuesday	Physics	3. Motion in a Straight Line	**Lecture Code: 3.15** Graphical analysis of motion (part-2) **Lecture Code: 3.16** Acceleration-time graph	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4.Biological classification	**Lecture Code: 4.7** Protista(decomposer protists) **Lecture Code: 4.8** Fungi	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
10-Jun-20	Wednesday	**Term Exam-01**						
11-Jun-20	Thursday	Chemistry	4. Chemical Bonding and Molecular Structure	**Lecture Code: 4.6** Molecular orbital theory **Lecture Code: 4.7** Molecular orbital theory and hydrogen bonding	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	5.Body fluids and circulation	**Lecture Code: 5.4** Regulation of cardiac Activity **Lecture Code: 5.5** Circulatory pathways	YES	Optional	NA	Ask an Expert (All Day)
12-Jun-20	Friday	Chemistry	4. Chemical Bonding and Molecular Structure	**Lecture Code: 4.6** Molecular orbital theory **Lecture Code: 4.7** Molecular orbital theory and hydrogen bonding	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	5.Body fluids and circulation	**Lecture Code: 5.4** Regulation of cardiac Activity **Lecture Code: 5.5** Circulatory pathways	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
13-Jun-20	Saturday	**Revision Day**						
14-Jun-20	Sunday	**Subjective Test-01 (Home Assignment)**						
15-Jun-20	Monday	Physics	3. Motion in a Straight Line 4.Motion in a Plane	**Lecture Code: 3.17** Relative velocity in 1-D **Lecture Code: 4.1** Scalar and Vector **Lecture Code: 4.2** Arithmetics of vectors : Addition	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4.Biological classification	**Lecture Code: 4.9** fungi(1) **Lecture Code: 4.10** fungi(2)	YES	Optional	NA	Ask an Expert (All Day)
16-Jun-20	Tuesday	Physics	3. Motion in a Straight Line 4.Motion in a Plane	**Lecture Code: 3.17** Relative velocity in 1-D **Lecture Code: 4.1** Scalar and Vector **Lecture Code: 4.2** Arithmetics of vectors : Addition	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4.Biological classification	**Lecture Code: 4.9** fungi(1) **Lecture Code: 4.10** fungi(2)	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
17-Jun-20	Wednesday	**Revision Day**						

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
18-Jun-20	Thursday	Chemistry	5.States of Matter	**Lecture Code: 5.1** Intermolecular forces and thermal energy **Lecture Code: 5.2** The gas laws	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	6. Excretory products and their Elimination	**Lecture Code: 6.1** Role of excretion & Regulation of solutes & water **Lecture Code: 6.2** Evolution of vertebrate kidneys & Human excretory system	YES	Optional	NA	Ask an Expert (All Day)
19-Jun-20	Friday	Chemistry	5.States of Matter	**Lecture Code: 5.1** Intermolecular forces and thermal energy **Lecture Code: 5.2** The gas laws	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	6. Excretory products and their Elimination	**Lecture Code: 6.1** Role of excretion & Regulation of solutes & water **Lecture Code: 6.2** Evolution of vertebrate kidneys & Human excretory system	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
20-Jun-20	Saturday	**Revision Day**						
21-Jun-20	Sunday							
22-Jun-20	Monday	Physics	4. Motion in a Plane	**Lecture Code: 4.3** Arithmetics of vectors : Subtraction, Resolution of vector **Lecture Code: 4.4** Numerical based on arithmetics of vectors **Lecture Code: 4.5** Introduction of motion in plane, velocity and acceleration in 2-D motion	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4.Biological classification	**Lecture Code: 4.11** fungi(3) **Lecture Code: 4.12** fungi(4)	YES	Optional	NA	Ask an Expert (All Day)
23-Jun-20	Tuesday	Physics	4.Motion in a Plane	**Lecture Code: 4.3** Arithmetics of vectors : Subtraction, Resolution of vector **Lecture Code: 4.4** Numerical based on arithmetics of vectors **Lecture Code: 4.5**	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4.Biological classification	**Lecture Code: 4.11** fungi(3) **Lecture Code: 4.12** fungi(4)	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
24-Jun-20	Wednesday	**Revision Day**						

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
25-Jun-20	Thursday	Chemistry	5.States of Matter	**Lecture Code: 5.3** Dalton's law, Graham's law and KMTG **Lecture Code: 5.4** Different type of velocities and real gas equation	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	6. Excretory products and their Elimination	**Lecture Code: 6.3** Mechanism of Urine formation **Lecture Code: 6.4** Regulation of Urine formation	YES	Optional	NA	Ask an Expert (All Day)
26-Jun-20	Friday	Chemistry	5.States of Matter	**Lecture Code: 5.3** Dalton's law, Graham's law and KMTG **Lecture Code: 5.4** Different type of velocities and real gas equation	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	6. Excretory products and their Elimination	**Lecture Code: 6.3** Mechanism of Urine formation **Lecture Code: 6.4** Regulation of Urine formation	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
27-Jun-20	Saturday	**Revision Day**						
28-Jun-20	Sunday	**Fortnightly Test-05**						
29-Jun-20	Monday	Physics	4. Motion in a Plane	**Lecture Code: 4.6** Projectile Motion : Part A **Lecture Code: 4.7** Projectile Motion : Part B **Lecture Code: 4.8** Projectile Motion : Part C	YES	Optional	NA	Ask an Expert (All Day)
		Botany	4.Biological classification 5. Morphology in flowering plants	**Lecture Code: 4.13** viruses,viroids and lichens. **Lecture Code: 5.1** The Root	YES	Optional	NA	Ask an Expert (All Day)
30-Jun-20	Tuesday	Physics	4. Motion in a Plane	**Lecture Code: 4.6** Projectile Motion : Part A **Lecture Code: 4.7** Projectile Motion : Part B **Lecture Code: 4.8** Projectile Motion : Part C	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	4.Biological classification 5. Morphology in flowering plants	**Lecture Code: 4.13** viruses,viroids and lichens. **Lecture Code: 5.1** The Root	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
1-Jul-20	Wednesday	**Revision Day**						
2-Jul-20	Thursday	Chemistry	5.States of Matter 6.Thermodynamics	**Lecture Code: 5.5** Compressibility factor and liquid state **Lecture Code: 6.1** Important thermodynamic terms	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	7.Locomotion and Movement	**Lecture Code: 7.1** Introduction to Locomotion & Movement **Lecture Code: 7.2** Mechanism of Muscle contraction & its types	YES	Optional	NA	Ask an Expert (All Day)

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
3-Jul-20	Friday	Chemistry	5.States of Matter 6.Thermodynamics	**Lecture Code: 5.5** Compressibility factor and liquid state **Lecture Code: 6.1** Important thermodynamic terms	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	7.Locomotion and Movement	**Lecture Code: 7.1** Introduction to Locomotion & Movement **Lecture Code: 7.2** Mechanism of Muscle contraction & its types	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
4-Jul-20	Saturday	**Revision Day**						
5-Jul-20	Sunday							
6-Jul-20	Monday	Physics	4. Motion in a Plane	**Lecture Code: 4.9** Projectile motion as plane inclined **Lecture Code: 4.10** Horizontal Projection, Circular motion **Lecture Code: 4.11** Uniform and nonuniform circular motion radius of curvature	YES	Optional	NA	Ask an Expert (All Day)
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.2** Stem **Lecture Code: 5.3** Leaf	YES	Optional	NA	Ask an Expert (All Day)
7-Jul-20	Tuesday	Physics	4. Motion in a Plane	**Lecture Code: 4.9** Projectile motion as plane inclined **Lecture Code: 4.10** Horizontal Projection, Circular motion **Lecture Code: 4.11** Uniform and nonuniform circular motion radius of curvature	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.2** Stem **Lecture Code: 5.3** Leaf	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
8-Jul-20	Wednesday	**Revision Day**						
9-Jul-20	Thursday	Chemistry	6.Thermodynamics	**Lecture Code: 6.2** Heat work and internal energy **Lecture Code: 6.3** Internal energy change and enthalpy change	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	7.Locomotion and Movement 8.Neural control and coordination	**Lecture Code: 7.3** Human Skeletal system **Lecture Code: 8.1** Neural System	YES	Optional	NA	Ask an Expert (All Day)
10-Jul-20	Friday	Chemistry	6.Thermodynamics	**Lecture Code: 6.2** Heat work and internal energy **Lecture Code: 6.3** Internal energy change and enthalpy change	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	7.Locomotion and Movement 8.Neural control and coordination	**Lecture Code: 7.3** Human Skeletal system **Lecture Code: 8.1** Neural System	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
11-Jul-20	Saturday	**Revision Day**						
12-Jul-20	Sunday							
13-Jul-20	Monday	Physics	4. Motion in a Plane 5.Laws of Motion	**Lecture Code: 4.12** Relative motion in 2-D motion : Part-A **Lecture Code: 4.13** Relative motion in 2-D motion: Part-B **Lecture Code: 5.1** Introduction to forces & laws of Motion	YES	Optional	NA	Ask an Expert (All Day)
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.4** Inflorescence **Lecture Code: 5.5** Flower	YES	Optional	NA	Ask an Expert (All Day)
14-Jul-20	Tuesday	Physics	4. Motion in a Plane 5.Laws of Motion	**Lecture Code: 4.12** Relative motion in 2-D motion : Part-A **Lecture Code: 4.13** Relative motion in 2-D motion: Part-B **Lecture Code: 5.1** Introduction to forces & laws of Motion	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.4** Inflorescence **Lecture Code: 5.5** Flower	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
15-Jul-20	Wednesday	**Revision Day**						
16-Jul-20	Thursday	Chemistry	6.Thermodynamics	**Lecture Code: 6.4** Thermodynamic reaction and heat capacity **Lecture Code: 6.5** Enthalpy change of a reaction and hess law	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	8.Neural control and coordination	**Lecture Code: 8.2** Central Nervous System I **Lecture Code: 8.3** Central Nervous System II	YES	Optional	NA	Ask an Expert (All Day)
17-Jul-20	Friday	Chemistry	6.Thermodynamics	**Lecture Code: 6.4** Thermodynamic reaction and heat capacity **Lecture Code: 6.5** Enthalpy change of a reaction and hess law	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	8.Neural control and coordination	**Lecture Code: 8.2** Central Nervous System I **Lecture Code: 8.3** Central Nervous System II	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
18-Jul-20	Saturday	**Revision Day**						
19-Jul-20	Sunday	**Fortnightly Test-06**						

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
20-Jul-20	Monday	Physics	5.Laws of Motion	**Lecture Code: 5.2** Newton's 3rd Law & Importance **Lecture Code: 5.3** Problem Solving Technique **Lecture Code: 5.4** Pulley & constraint Motion	YES	Optional	NA	Ask an Expert (All Day)
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.6** male and female reproductive part,placentation. **Lecture Code: 5.7** Fruits	YES	Optional	NA	Ask an Expert (All Day)
21-Jul-20	Tuesday	Physics	5.Laws of Motion	**Lecture Code: 5.2** Newton's 3rd Law & Importance **Lecture Code: 5.3** Problem Solving Technique **Lecture Code: 5.4** Pulley & constraint Motion	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	5. Morphology in flowering plants	**Lecture Code: 5.6** male and female reproductive part,placentation. **Lecture Code: 5.7** Fruits	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
22-Jul-20	Wednesday	**Revision Day**						
23-Jul-20	Thursday	Chemistry	6.Thermodynamics	**Lecture Code: 6.6** Enthalpy Change of Different Type of Reactions **Lecture Code: 6.7** Spontaneity, Entropy and Gibb's Energy	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	8.Neural control and coordination	**Lecture Code: 8.4** Sensory reception and processing **Lecture Code: 8.5** Mechanism of image formation	YES	Optional	NA	Ask an Expert (All Day)
24-Jul-20	Friday	Chemistry	6.Thermodynamics	**Lecture Code: 6.6** Enthalpy Change of Different Type of Reactions **Lecture Code: 6.7** Spontaneity, Entropy and Gibb's Energy	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	8.Neural control and coordination	**Lecture Code: 8.4** Sensory reception and processing **Lecture Code: 8.5** Mechanism of image formation	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
25-Jul-20	Saturday	**Revision Day**						
26-Jul-20	Sunday							
27-Jul-20	Monday	Physics	5.Laws of Motion	**Lecture Code: 5.5** Frame of Reference **Lecture Code: 5.6** Friction and Its Type **Lecture Code: 5.7** Multiple block system	YES	Optional	NA	Ask an Expert (All Day)

Daily Schedule for Long Term Students : Class XI (Phase-01) for NEET 2022
June - July 2020 - English (New Version)

Date	Day	Subjects	Chapter Name	Lecture Code & Topic	Read E book	Watch Video Lecture	Solve DPT	Doubt Clearing Session
		Botany	5. Morphology in flowering plants 6.Anatomy in flowering plants	**Lecture Code: 5.8** Seeds **Lecture Code: 6.1** Tissues	YES	Optional	NA	Ask an Expert (All Day)
28-Jul-20	Tuesday	Physics	5.Laws of Motion	**Lecture Code: 5.5** Frame of Reference **Lecture Code: 5.6** Friction and Its Type **Lecture Code: 5.7** Multiple block system	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Botany	5. Morphology in flowering plants 6.Anatomy in flowering plants	**Lecture Code: 5.8** Seeds **Lecture Code: 6.1** Tissues	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
29-Jul-20	Wednesday	**Term Exam-02**						
30-Jul-20	Thursday	Chemistry	6.Thermodynamics	**Lecture Code: 6.8** Spontaneity, Entropy and Gibb's Free Energy Continued	YES	Optional	NA	Ask an Expert (All Day)
		Zoology	8.Neural control and coordination 9.Chemical Coordination and integration	**Lecture Code: 8.6** Hearing, gustation and olfaction **Lecture Code: 9.1** Endocrine Glands (I) and Hormones	YES	Optional	NA	Ask an Expert (All Day)
31-Jul-20	Friday	Chemistry	6.Thermodynamics	**Lecture Code: 6.8** Spontaneity, Entropy and Gibb's Free Energy Continued	Can Revise	YES (MUST)	YES (MUST)	4:00 pm -5:00 pm
		Zoology	8.Neural control and coordination 9.Chemical Coordination and integration	**Lecture Code: 8.6** Hearing, gustation and olfaction **Lecture Code: 9.1** Endocrine Glands (I) and Hormones	Can Revise	YES (MUST)	YES (MUST)	5:15 pm -6:15 pm
1-Aug-20	Saturday	**Revision Day**						
2-Aug-20	Sunday	**Subjective Test-02 (Home Assignment)**						

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Test Planner (June-July 2020)

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Two Year Medical (Phase-01) : Planner for Fortnightly Test, Term Exam and Subjective Test - 2020-2022
Jun - July - 2020

Test No.	Test Date	Day	Topic			
			Physics	**Chemistry**	**Botany**	**Zoology**
Term Exam-01 (3 Hr. Exam on NEET Pattern)	10th June	Wednesday	**Term Exam-01 (3 Hr. Exam on NEET Pattern : 180 MCQs, 45 MCQs from each Subject - Phy, Chem, Bot, Zoo)**			
			Physical World, Units & Measurements, 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, 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: The Unit of Life, Cell Cycle & Cell Division, The living world (**Upto Systematics)	Structural organisation in Animals–Animal Tissues, Biomolecules (upto Induced fit theory)
Subjective Test-01 (Home assignment)	14th June	Sunday	**Subjective Test-01 (Home assignment)**			
			Physical World, Units & Measurements, 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, 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: The Unit of Life, Cell Cycle & Cell Division, The living world (**Upto Systematics)	Structural organisation in Animals–Animal Tissues, Biomolecules (upto Induced fit theory)

Test No.	Test Date	Day	Topic			
			Physics	**Chemistry**	**Botany**	**Zoology**
Fortnightly Test-05	28th June	Sunday	**Motion in a Plane:** Introduction, Scalars & Vectors, Multiplication of vectors by real numbers, Addition & subtraction of vectors–graphical method., Resolution of vectors, Vector addition–analytical method., Motion in a plane, Motion in a plane with constant acceleration.	**Classification of Elements and Periodicity in Properties**	**Biological Classification(Contd.):** Economic importance of bacteria, Archaebacteria-methanogens, halophiles, thermoacidophiles, Eubacteria – Cyanobacteria, *Mycoplasma,* Protista-General characters, Chrysophytes, Dinoflagellates, Euglenoids, Slime moulds, Protozoans-major groups with some salient features	**Digestion and Absorption, Breathing & Exchange of Gases-I:** Respiratory passage, structure of Larynx, sound production, lungs, pleurae, external structure of lungs, Internal structure, alveoli., Mechanism of breathing-Inspiration, expiration, thoracic & abdominal breathing, Respiratory/Pulmonary volumes/Respiratory capacities, Exchange of gases between alveoli & blood; exchange of gases between blood & tissue cells., Transport of oxygen, Bohr's effect; Transport of carbon dioxide, Chloride shift (Hamburger's phenomenon), Haldane effect
Fortnightly Test-06	19th July	Sunday	**Motion in a Plane(Contd.):** Relative velocity in two dimensions., Projectile motion – Equation of path of a projectile. Time of flight, Maximum height, Horizontal range, Uniform circular motion.	**Chemical Bonding and Molecular Structure**	**Biological Classification(Contd.):** Fungi-general characters, Reproduction in fungi, Characters of different classes of fungi - Phycomycetes, Ascomycetes, Basidiomycetes, Salient features of *Agaricus,* Deuteromycetes	**Breathing & Exchange of Gases-II:** Regulation of respiration: Neural regulation, chemical regulation, Respiratory disorders, Bronchitis, Asthma, Emphysema, Occupational respiratory disorder, **Body Fluids & Circulation-I:** Fluid connective tissue–Blood & composition of blood-blood cells & plasma, blood coagulation, clotting factors, lymph, Circulatory pathways, Human circulatory system-external structure of heart, Internal structure-Atria, Ventricle, Valves, Histology of heart wall, working of heart, Cardiac cycle, Heart sounds, conducting system of heart, ECG-Normal ECG & changes as indication of heart diseases
Term Exam-02 (3 Hr. Exam on NEET Pattern)	29th July	Wendesday	**Term Exam-02 (3 Hr. Exam on NEET Pattern : 180 MCQs, 45 MCQs from each Subject - Phy, Chem, Bot, Zoo)**			
			Physical World, Units & Measurements, 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 *[For 9 Questions out of 45]* **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, **Motion in a Plane** *[For 36 Questions out of 45]*	**Some Basic Concepts of Chemistry, 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. *[For 9 Questions out of 45]* **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., **Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure.** *[For 36 Questions out of 45]*	**Cell: The Unit of Life, Cell Cycle & Cell Division, The living world** (Upto Systematics) *[For 9 Questions out of 45]* **The living world:** Taxonomic Categories, Biological concept of species onwards, **Biological Classification:** Upto Deuteromycetes *[For 36 Questions out of 45]*	**Structural organisation in Animals–Animal Tissues, Biomolecules** (upto induced fit theory) *[For 9 Questions out of 45]* **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 **Digestion & Absorption, Breathing & Exchange of Gases, Body Fluids & Circulation-I:** Fluid connective tissue–Blood & composition of blood-blood cells & plasma, blood coagulation, clotting factors, lymph, Circulatory pathways, Human circulatory system-external structure of heart, Internal structure-Atria, Ventricle, Valves, Histology of heart wall, working of heart, Cardiac cycle, Heart sounds, conducting system of heart, ECG-Normal ECG & changes as indication of heart diseases. *[For 36 Questions out of 45]*

Test No.	Test Date	Day	Topic			
			Physics	**Chemistry**	**Botany**	**Zoology**
Subjective Test-02 (Home assignment)	2nd Aug	Sunday	**Subjective Test-02 (Home assignment)**			
			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**, Motion in a Plane**	**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 exclusion principle, Hunds rule of maximum multiplicity, Electronic configuration of atoms, Stability of completely filled and half filled sub-shells., **Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure.**	**The living world(Contd.):** Taxonomic Categories, Biological concept of species onwards, **Biological Classification:** Upto Deuteromycetes.	**Digestion & Absorption, Breathing & Exchange of Gases, Body Fluids & Circulation-I:** Fluid connective tissue–Blood & composition of blood-blood cells & plasma, blood coagulation, clotting factors, lymph, Circulatory pathways, Human circulatory system-external structure of heart, Internal structure-Atria, Ventricle, Valves, Histology of heart wall, working of heart, Cardiac cycle, Heart sounds, conducting system of heart, ECG-Normal ECG & changes as indication of heart diseases.

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Thank You

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