



# NEET - 2021 ANALYSIS

## An Analysis by Parishram Academy

NEET Paper analysis is helpful in understanding the weightage of topics, the previous year difficulty level of exam. As per the statement of experts, **NEET cut off** marks are dependent upon the difficulty level of the exam. It is advised to practice from NCERT books and previous years' questions for **NEET 2022** exam. Hence, the aspirants will get advantages to score high.

### NEET 2021 Paper Analysis

NEET 2021 overall exam was moderate in terms of difficulty level.

Subject	Difficulty Level
Physics	Difficult & Tricky
Chemistry	Easy
Biology	Easy

### NEET Physics Paper Analysis

- Physics section was the toughest and lengthy.
- 4-5 tricky questions were asked in both sections A & B.
- 70% of Physics paper was numerical based.

Topics	Number of Questions
Electrodynamics	20
Mechanics	15
Heat	2
SHM Waves	2
Optics	4
Modern Physics and Electronics	7
Total	50

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### NEET Chemistry Paper Analysis

- In comparison to the previous year paper, Chemistry section was difficult.
- Mostly questions were directly asked from NCERT books.
- Approx 5 questions were matrix match type while 3 questions were graph based.

Topics	Number of Questions
Physical Chemistry	16
Inorganic Chemistry	17
Organic Chemistry	17
Total	50

### NEET Biology Paper Analysis

- Botany section was easiest, while the Zoology section was slightly moderate in terms of difficulty level.
- Most questions in Botany section were directly asked from NCERT books.
- Few Zoology questions were tricky.

Topics	Number of Questions
Biology in Human Welfare	3
Cell Structure & Functions	9
Diversity of Life	5
Ecology	9
Genetics	11
Plant Physiology	8
Reproduction and Sexual Reproduction	4
Structural organisation of Plants	5
Animal Husbandry & Biotechnology	13
Evolutions	2
Biomolecules	5
Human Health & Disease	2
Human Physiology	10
Human Reproduction & Reproductive Health	6
Structural Organisation in Plants	4
Animal Kingdom	4
Total	100

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### NEET Paper Analysis 2020

NEET Paper analysis 2020 will paint a clear picture of the nature of the NEET 2021 exam to be conducted in future. This helps the future NEET aspirants to get prepared for the exam accordingly. Detailed analysis of all **three sections** are tabulated below:

#### NEET Physics Paper Analysis

- Physics again got the tag of the **toughest section** among the 3 sections.
- Direct questions from sections such as Energy, Mass, Newton's Laws of Motion.
- Color code was asked from the current electricity question.
- Direct questions in this section were formula based.

Section	Number of Questions
Mechanics	16
Heat and Thermodynamics	5
Electrostatics and Magnetism	5
Optics and Modern Physics	10
Current Electricity	9

#### NEET Chemistry Paper Analysis

- Test takers found the Chemistry paper of NEET 2020 to be **lengthier**.
- Students found this section difficult, reason being lengthy calculations.
- Theoretical questions were a little difficult to solve.
- Overall this section **ranked easy to solve** and scoring also.

Section	Number of Questions
Organic	15
Inorganic	15
Physical	15

#### NEET Biology Paper Analysis

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- Test takers perceive Biology questions **very easy to solve**.
- But some of the questions were tricky from this section.
- Most of the questions were **straight from the NCERT syllabus**.

Section	Number of Questions
Biology in Human Welfare	3
Ecology	11
Plant Physiology	7
Human Physiology	15
Cell Structure	6
Structural organization in animal and plant	7
Biotechnology	8
Diversity of Living Organism	12
reproduction	10
Genetic and Evolution	11

### Overall Analysis of Questions in NEET 2020

Particular	Physics	Chemistry	Biology
Number of questions from Class 11	22	21	52
Number of questions from Class 12	23	24	38
Overall Difficulty Level	Moderate-Difficult	Easy-Moderate	Easy-Moderate

### NEET Paper Analysis 2019

According to the applicants, the NEET 2019 question paper was **moderately difficult**. Some students found it **lengthy**. All three sections were a bit difficult. Physics section was a little bit

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tricky. The Chemistry section was also found moderately difficult. Biology section was easy compared to other sections but some of the questions were tough.

### NEET 2019 Physics Paper Analysis

- Physics is the **toughest section** among the three sections in NEET 2019 exam.
- The aspirants will need to crack conceptually based and tricky questions in the exam.
- Physics questions were usually critical and the aspirants needed to do **heavy calculations**.

### NEET 2019 Chemistry Paper Analysis

- Chemistry section was **moderately complex**. Hence, the aspirants got some direct questions from NCERT text book.
- This was the **scoring section** in NEET 2019 exam.
- As per the expert's in depth NEET analysis, NEET 2019 chemistry was **comparatively easier** than the previous years.

### NEET 2019 Biology Paper Analysis

- Usually, Biology is considered as the **easiest section**, however, last year, the Biology section was not so easy.
- The trend of NEET 2019 Biology questions was **time-consuming** and descriptive.
- The high weightage chapters of NEET 2019 biology section were from Microbes in Human Welfare and Cell. These are the chapters of Botany and Zoology respectively.
- To get a high score in the Biology section, the aspirants are required to have in-depth knowledge of concepts.

### NEET 2019 Topic Wise Analysis (Physics & Chemistry)

Topics	Easy	Average	Difficult	% Portion
<b>Physics</b>				
Mechanics	3	4	2	22%
Fluids	1	0	0	1%
Thermal Physics	1	3	2	15%
SHM & Waves	1	0	0	5%
Electrodynamics	2	3	5	22%
Optics	4	2	1	12%
Modern & Electronics	4	2	1	16%
<b>Chemistry</b>				
Inorganic	4	5	3	50%

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Physical	5	3	2	30%
Organic	7	5	1	35%

### NEET 2019 Topic Wise Analysis (Biology)

#### Botany

Topics	Easy	Medium	Difficult	Total
Plant Diversity	2	5	1	8
Ecology	3	8	0	11
Cell Biology and Cell division	1	4	0	5
Plant Morphology	2	0	0	2
Biomolecule	0	1	0	1
Plant Physiology	3	3	1	7
Plant reproduction	3	2	0	5
Genetics & Biotechnology	9	7	0	16
Plant Anatomy	3	1	0	4
Total	26	31	2	59

#### Zoology

Topics	Easy	Medium	Difficult	Total
Animal Diversity	2	2	0	4
Structural Organisation in Animal	1	0	0	1
Human Physiology	8	6	1	15
Human Reproduction and Reproductive health	3	0	2	5
Origin and Evolution	3	0	0	3
Human Health and Diseases	2	0	1	3
Total	19	8	4	31

### NEET Paper Analysis 2018

Types of questions and the difficulty level of NEET 2018 exam were closely similar to NEET 2017. Both Physics and Chemistry gave a tough time to test takers due to long calculative questions. Few easy questions in Physics required tricky calculations. Biology was tough in comparison to previous years and was again time-consuming. It had few questions out of

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NCERT syllabus as well. Both Class XI and Class XII syllabus were covered in all the subjects. Check the in depth NEET analysis of 2018 as per the subjects below.

### NEET Physics Paper Analysis

- In NEET 2018, Physics was the **toughest section** compared to the rest.
- Physics questions were **comparatively lengthy** and conceptual based.
- Category of Physics questions break up in NEET 2018 exam: 2 difficult questions, 34 easy questions and 9 moderate questions.
- In the NEET 2018 question paper, division of questions were 24 and 21 respectively from class XII and XI.

### NEET Chemistry Paper analysis

- The Chemistry section was not so long like the Physics section.
- The section was **moderate** among the three sections.
- Most of the questions of the Chemistry section were **simple concept based**.
- The ratio of 12th standard and 11th standard questions were 20 and 20 respectively.

### NEET Biology Paper analysis

- In NEET 2018, it was the **easiest section** compared to the other two sections.
- 46 questions were coming from class XII and 44 questions from class XI.
- There were 48 easy questions, 9 difficult questions and 33 moderate questions.
- Most of the questions were concept based and these were coming from **NCERT (directly)**.
- Average obtained marks by most of the aspirants were ranking from 350 to 400 marks.

### NEET 2018 Topic Wise Analysis (Physics, Chemistry & Biology)

Topics	Easy	Medium	Difficult	% Portion
<b>Physics</b>				
Mechanics	5	7	0	27%
Fluids	0	0	1	2%
Thermal Physics	1	4	1	13%
SHM & Waves	1	2	0	7%
Electrodynamics	5	3	3	24%
Optics	1	4	0	11%
Modern & Electronics	4	2	1	16%
<b>Chemistry</b>				
Inorganic	9	4	2	34%

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Physical	7	3	5	33%
Organic	8	5	2	33%
<b>Biology</b>				
Plant Diversity	6	1	0	11%
Plant Morphology	4	3	0	11%
Plant Physiology	1	4	1	10%
Plant Reproduction	2	2	0	7%
Cell Biology	3	5	1	15%

### Other Facts about NEET 2018

- Total number of applicants for NEET 2018 was 13, 26, 725. The ratio of male to female candidates is 580648: 746076. On the other hand, there was one transgender candidate as well.
- Since 2018, the exam has started to be conducted in other languages (irrespective of Hindi and English) such as Oriya, Urdu, Gujarati, Assamese, Kannada, Telugu, Tamil, Bengali, Marathi.

### NEET Paper Analysis 2017

In terms of NEET difficulty level, experts and test takers rated NEET 2017 somewhere between '**moderate to difficult**'. Among the three sections, Physics continued to be the toughest while Biology and Chemistry were comparatively easier. Unexpectedly, a lot of questions were outside the NCERT syllabus which increased the difficulty level. In depth NEET Paper Analysis of 2017 for various sections is given below.

#### NEET Physics Paper Analysis

- In NEET 2017, most of the Physics questions had come from **Class XI syllabus**.
- Most of the questions of Class XI were from Mechanics, Modern Physics and Electrodynamics of Class XI.
- There were 10 easy questions, 8 difficult questions and 27 moderate questions in NEET 2017.
- It was the **toughest section** similar to the other years.

#### NEET Chemistry Paper Analysis

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- Unlike Physics, the aspirants had faced more questions in Chemistry from class XII.
- In NEET 2017, most of the questions were from Organic Chemistry. Nonetheless, inorganic chemistry carries the maximum weightage.
- The questions of class XI were very easy, whereas the questions of class XII were comparatively tricky.
- The students should have in-depth knowledge of the subject. Most of the Chemistry questions were conceptually based.
- The students should read the following chapters on top-notch priority:
  - Chemical Bonding
  - Coordination Compounds
  - Carbonyl Compounds
  - Organic Chemistry-I

### NEET Biology Paper Analysis

- It was the **easiest section** for the students in NEET 2017 exam than Physics and Chemistry.
- This section was the saviour to the students.
- To get the idea about the **NEET exam pattern** and trend, the aspirants should follow the last 10 years Biology questions.
- However, it can be assumed that the biology exam will be **tougher this year**.
- Plant and human physiology were the most carrying topics of NEET 2017 Biology exam.
- In NEET 2017, 46 questions were coming from class XII and 44 were coming from class XI.
- Most of the questions of class XII were from the Zoology section and class XI were from Botany.
- The aspirants should read thoroughly the below mentioned chapters:
  - Pollination
  - Photosynthesis
  - Endocrine System
  - Digestive System
  - Plant Anatomy
  - DNA replication
  - PAGE Theory
  - Excretory and Nervous System

### NEET 2017 Topic Wise Analysis (Physics, Chemistry & Biology)

Topics	Easy	Medium	Difficult	% Portion
<b>Physics</b>				
Mechanics	3	4	7	31%

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SHM & Waves	2	1	0	7%
Heat & Thermodynamics	4	1	1	13%
Properties of Matter	1	0	1	4%
Electrodynamics	3	4	2	20%
Modern Physics	5	2	0	16%
Optics	2	2	0	9%
<b>Chemistry</b>				
Inorganic	7	6	2	33%
Physical	7	5	5	31%
Organic	4	8	4	36%
<b>Biology</b>				
The Living World	1	6	2	10%
Structural Organization in Plant & Animal	3	5	2	11%
Cell: Structure & Function	1	4	3	9%
Plant Physiology	1	5	2	9%
Animal Physiology & Reproduction	9	8	4	21%
Reproduction in Plants	5	9	5	6%
Genetics & Evolution	0	3	2	12%
Biology in human welfare	2	2	1	6%
Biotechnology	1	2	1	3%
Ecology	5	3	4	13%

## NEET Paper Analysis 2016

The NEET 2016 exam pattern remained almost the same. For instance, the questions for each section were distributed almost equally between class XI and XII syllabus. Physics section was tougher and time consuming in comparison to the other sections. Biology section was easier and Chemistry was rated average. You can find NEET Paper Analysis for 2016 divided into sections below:

### NEET 2016 Topic Wise Analysis (Physics, Chemistry & Biology)

Topics	Easy	Medium	Difficult	% Portion
<b>Physics</b>				
Mechanics	6	4	1	24%
SHM & Waves	2	2	1	9%
Heat & Thermodynamics	1	4	0	11%

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Properties of Matter	0	2	0	4%
Electrodynamics	3	6	2	24%
Modern Physics	2	4	2	18%
Optics	1	3	0	9%
<b>Chemistry</b>				
Inorganic	4	7	2	28%
Physical	4	9	3	36%
Organic	3	9	4	36%
<b>Biology</b>				
The Living World	6	8	1	17%
Structural Organization in Plant & Animal	5	4	1	11%
Cell: Structure & Function	4	1	2	8%
Plant Physiology	5	1	1	8%
Animal Physiology & Reproduction	9	8	4	23%
Reproduction in Plants	4	1	0	6%
Genetics & Evolution	3	2	2	8%
Biology in human welfare	2	1	0	3%
Biotechnology	3	2	0	6%
Ecology	6	4	0	11%

## NEET Paper Analysis 2015

NEET 2015 was the first time CBSE conducted entrance exam. It was popular as a single window entrance examination across India. In terms of overall difficulty, the experts and candidates rated it average. Biology was difficult while Physics and Chemistry paper was comparatively easier. The paper also had a few questions beyond NCERT syllabus. Given below is NEET Paper Analysis according to sections.

### NEET 2015 Topic Wise Analysis (Physics, Chemistry & Biology)

Topics	Easy	Medium	Difficult	% Portion
<b>Physics</b>				
Mechanics	8	2	1	24%

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SHM & Waves	2	1	0	7%
Heat & Thermodynamics	5	1	0	13%
Properties of Matter	2	0	0	5%
Electrodynamics	4	4	3	24%
Modern Physics	6	2	1	20%
Optics	2	1	0	7%
<b>Chemistry</b>				
Inorganic	5	6	5	36%
Physical	5	6	5	36%
Organic	5	6	2	28%
<b>Biology</b>				
The Living World	2	7	2	12%
Structural Organization in Plant & Animal	2	5	1	9%
Cell: Structure & Function	2	9	0	12%
Plant Physiology	0	5	2	9%
Animal Physiology & Reproduction	4	12	2	20%
Reproduction in Plants	0	3	0	14%
Genetics & Evolution	0	10	3	14%
Biology in human welfare	0	5	0	6%
Biotechnology	0	2	0	2%
Ecology	2	8	2	13%

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