NEET (National Eligibility cum Entrance Test)

Lakhs of students take part in NEET every year. NEET or National Eligibility cum Entrance Test is a national-level medical entrance test. It is conducted by the National Testing Agency (NTA) for admissions to medical courses in recognized and approved medical institutes across the country. While there were speculations on the NEET expected dates, the officials have announced the dates for NEET.

As per the National Medical Commission Act, 2019, Section 14, NEET stands as the common and uniform medical entrance test for UG medical courses across all the medical institutes, administered under any law. Following this, admissions to AIIMS and JIPMER institutes are also under NEET. NEET examination was conducted across around 497 cities in India and 14 exam centres abroad this time. The complete NEET schedule of examination is provided on the website of NTA – nta.neet.nic.in.

NEET Full form – Why NEET?

NEET stands for National Eligibility cum Entrance Test. It is an all-India pre-medical test which was formerly known as AIPMT (All India Pre-Medical Test). The test is conducted for young medical aspirants who wish to pursue medicine and thereby seek admission to undergraduate medical programmes both in the country and even abroad. NEET is conducted annually by the National Testing Agency (NTA).

A successful attempt at NEET enables students to avail a seat in any of the medical programmes such as MBBS, BDS, nursing and various AYUSH courses offered in both government and private institutes of India. Following the "One nation One test" policy that was passed, NEET has emerged as the one-tier national level entrance test scrapping all the state entrance tests including AIIMS and JIPMER tests.

NEET – What's New?

The Medical Council of India has introduced some changes in NEET on the recommendation of the Union Health Ministry. Take a look at the changes implemented:

- NEET stands as the single-level medical entrance test conducted nationwide, thus scrapping AIIMS and JIPMER entrance tests
- More than 18 lakh registrations were recorded this year in NEET-UG
- The 15% All India Quota scheme is now joined by states of Telangana and Andhra Pradesh
- Qualifying NEET UG exam is now a must even for Indian candidates who desire to pursue medicine abroad
- No restriction on the number of attempts at NEET. However, age limit restriction must be followed as per corresponding categories
- A total of 497 cities in India and 14 Cities Outside India have been added for NEET (UG)
- Revision in examination fee
- The duration of the NEET will be 200 minutes (03:20 hours) from 02:00 PM to 05:20 PM (IST)
- The scores of NEET shall be accepted for female candidates who wish to pursue nursing programmes at AFMS institutes

NEET Highlights

Name Of the Test	NEET (National Eligibility cum Entrance Test)
Conducting Authority	NTA (National Testing Agency)
Mode of Exam	Pen-paper based (offline mode)
Number of candidates registered in 2022	Approximately 18.7 lakh registrations
Exam Duration (Revised)	3 hours and 20 minutes or 200 minutes
Seats Offered	Admission to MBBS and BDS and other courses seats under 15% All India Quota and 85% State quota
Courses Offered	MBBS, BDS, AYUSH and other related Courses
Number of Questions	180 questions to be answered out of 200 questions (MCQs)
Type of questions	Objective-type questions (MCQs) with 4 options out of which 1 is correct
Subjects	Physics, Chemistry, and Biology (Botany & Zoology)
Number of Questions from each section	- Physics – 45/50 questions to be answered - Chemistry – 45/50 questions to be answered - Biology (Botany + Zoology) – 90/100 questions to be answered
Language	The question paper is asked in 13 languages – English, Hindi, Assamese, Bengali, Gujarati, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu, and Urdu.
Marking Scheme	4 marks are awarded for each correct answer
Negative Marking	1 mark is deducted for each wrong answer
Total Exam centres	Approximately 497 cities in India and 14 Cities Outside India

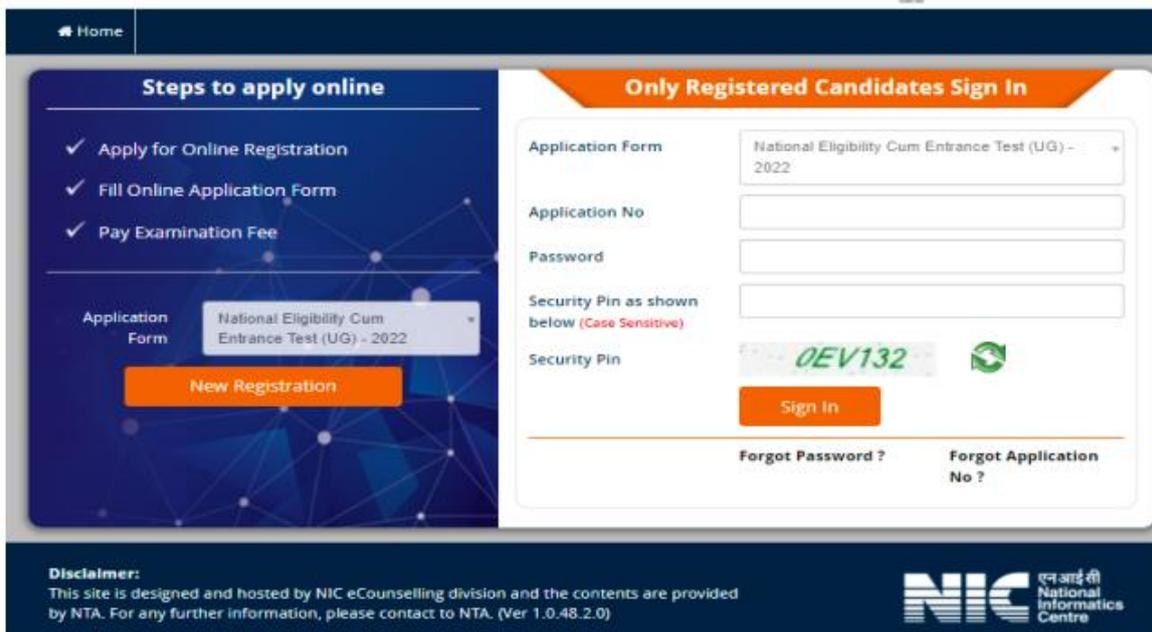## How to Apply for NEET? Steps in Online filling of NEET Application form: NEET Registration

NEET Registration

- Visit the official website for NEET.
- Register by providing the name, mobile number, email id and other details. (New Registration tab on the left-side)
- Fill in the NEET registration form.
- Some details to be filled – Date of Birth, Category, Nationality, qualification details such as Year of Passing, Percentage of marks, etc., details to contact and choice for the exam centre.
- Upload the scanned copies of the required documents in the prescribed size and format only.
- Fee payment of application can be done through online and offline mode.
- Towards the end, the confirmation page will be displayed. Take the printout of the duly filled application form for future reference.
- Aadhar card is no more a mandate in order to fill the application form. Valid ID proof must be provided

Once the process is complete, candidates are provided with a provisional application number. This number will also be sent to the email id and registered phone number.

Documents required to Apply Online for NEET: NEET Application form

Listed below are the documents one would require while submitting the NEET application form. Take a look:

Documents required for NEET application form filling

- Most recent passport-size photograph
- Most recent postcard size photograph

- Signature of the candidate
- Candidate's thumb impression
- Class 10 Marksheet
- Valid ID proof

Specifications of the documents are as follows:

Name of the Document	Specification provided by NTA	Size of file (JPG/JPEG format)	Description for Online Tool (with 72 DPI)
Passport size photograph	Not specified	10 Kb to 200 Kb	2.5 X 3.5 inches
Postcard size photograph	4"X6"	10 kb to 200 kb	4.25 X 3.5 inches
Signature of the candidate	Not specified	4 kb to 30 kb	2.5 X 3.5 inches
Thumb impression	Not specified	10 kb to 200 kb	2.5 X 3.5 inches
Class 10 mark sheet	Not specified	100 Kb to 400 Kb	2.5 X 3.5 inches

Revised Examination Fee for NEET

The application fee for NEET is as mentioned below (subject to change):

Category	Fee (INR)	Outside India (Fee in ₹)
General	₹ 1600/-	
General-EWS/ OBC-NCL	₹ 1500/-	₹ 8500/-
SC/ST/PwD/Third Gender	₹ 900/-	

Mode of Payment:

Application fee payment can be done through the offline mode as given below:

- Online method – Credit card/Debit card/Paytm/Net banking
- Processing charges and GST as applicable, are chargeable (in addition to the examination fee) by the concerned Bank/Payment Gateway Integrator

NEET Application Form Online Correction

After submission of the NEET application form, candidates are provided with an opportunity to make changes to limited fields through the online mode. One must regularly visit the website for the latest notifications on the re-opening of the portal for correction facility.

In case, candidates are required to correct and upload a clearer photograph or signature, it will be intimated through SMS or email regarding the same. Additionally, registered candidates can make changes to fields such as – Date of birth, gender, identification, category, state code of eligibility, the medium of the exam paper, exam centre, name of parents, percentage and marks obtained in the qualifying examination, etc. In case, an additional fee has to be made, the same can be done through net banking or debit/credit card payment.

Note:

Incomplete form submission can result in rejection of the form. No changes to any fields will be entertained once the form has been submitted.

NEET Eligibility Criteria – Revised

Candidates taking part in NEET must be well aware of the eligibility criteria for NEET. Read to find complete details on eligibility criteria:

Qualification

- Candidates must have passed/appeared for class 12 or an equivalent exam. Candidates appearing for the class 12 exams are also eligible
- Physics, Chemistry, Biology/Biotechnology and English must be the major, mandate subjects
- Candidates must have obtained the required aggregate marks in the qualifying examinations:
    - Unreserved and General-EWS Candidates – 50% marks in the qualifying examinations
    - SC/ST/PWBD candidates/Other Backward Classes (NCL) – 40% marks in the qualifying examinations

Nationality

- Candidate should be an Indian citizen.
- If the candidate does not reside in India, then he or she should be an OCI (Overseas Citizen of India)
- Non-Resident Indians (NRIs)
- Persons of Indian Origin (PIOs)
- Foreign Nationals
- Candidates from the J&K state are eligible to appear for NEET under the All India 15% quota only by self-declaration. Such candidates can also get admitted to AFMC, Pune
- Indian Citizens/ OCI intending to pursue Undergraduate Medical Courses in a foreign Medical/ Dental Institute also need to qualify for NEET (UG)

Age Criteria

- Candidate has completed 17 years of age at the time of admission or will complete that age on or before 31 December of the year of candidate's admission to the first year of the Undergraduate Medical Course
- No upper age limit as decided in the fourth NMC meeting held on 21 October 2021

Aadhar Card Possession

Aadhar card is no more a mandate to participate in NEET. Valid ID proof should be kept ready. Candidates belonging to the state of Meghalaya, Assam, and J&K can furnish ration card numbers, passport numbers, bank account numbers, or any valid ID number while NRI, OCI, PIO, and other foreign nationals can produce their passport numbers for the same.

Detailed Marking Scheme of NTA NEET

NEET Subjects	Section	Total questions	Marks
Physics	A	35 (Compulsory)	140
	B	15 (Any 10 to be attempted)	40
Chemistry	A	35 (Compulsory)	140
	B	15 (Any 10 to be attempted)	40
Biology	A	35 (Compulsory)	140
	B	15 (Any 10 to be attempted)	40
Total		**180 to be attempted out of 200**	**720**

NTA NEET Syllabus

The Medical Council of India (MCI) prescribes a syllabus for NEET. It covers topics from Physics, Chemistry, Botany and Zoology from classes 11 and 12. Typically, the syllabus for NEET is published once a thorough review from inputs of different states on the syllabi is conducted. Syllabi are based on NCERT, CBSE and COBSEW. There are no changes to the NEET syllabus so far. Check this space for the latest on the syllabus.

Provided below is the subject-wise syllabus for NEET from classes 11 and 12.

NEET Physics Syllabus – NEET-UG syllabus

Class 11th Syllabus	Class 12th Syllabus
Physical world and measurement	Electro statistics
Kinematics	Current Electricity
Laws of Motion	Magnetic effects of Current and Magnetism
Work, Energy, and Power	Electromagnetic induction and alternating currents

Motion of systems of particles and rigid body	Electromagnetic waves
Gravitation	Optics
Properties of Bulk Matter	Dual Nature of Matter and Radiation
Thermodynamics	Atoms and Nuclei
Behaviour of Perfect Gas and Kinetic theory	Electronic Devices
Oscillations and wave	

NEET Chemistry Syllabus – NEET-UG syllabus

Class 11th Syllabus	Class 12th Syllabus
Some basic concepts of Chemistry	Solid state
Structure of atom	Solutions
Classification of Elements and Periodicity in Properties	Electrochemistry
Chemical Bonding and Molecular structure	Chemical Kinetics
States of Matter: Gases and liquids	Surface Chemistry
Thermodynamics	General principles and Processes of Isolation of Elements
Equilibrium	P Block elements
Redox reactions	D and F block elements
Hydrogen	Coordination compounds
s-Block elements (Alkali and Alkaline earth metals)	Haloalkanes and Haloarenes
Some p-Block elements	Alcohols, Phenols and Ethers
Organic Chemistry – Some basic principles and techniques	Aldehydes, Ketones and Carboxylic Acids
Hydrocarbons	Organic compounds containing Nitrogen

Environmental chemistry	Biomolecules, Polymers and Chemistry in everyday life

NEET Biology Syllabus – NEET-UG syllabus

Class 11th Syllabus	Class 12th Syllabus
Diversity in the Living World	Reproduction
Structural Organisation – Plants and Animals	Genetics and Evolution
Cell Structure and Function	Biology and Human welfare
Plant Physiology	Biotechnology and its applications
Human physiology	Ecology and environment

NEET Examination Schedule

One of the changes introduced this time is the increase in the time duration of the NEET exam. Now, NEET will be conducted for 3 hours and 20 minutes (200 minutes). The exact timeline of events and the examination schedule for NEET is as given below:

Event	Corresponding Date and Time
NEET Exam date	Month of May
NEET Exam timing	**02.00 pm to 05.20 pm**
NEET Exam Duration	3 hours 20 minutes
Occupying seats in the exam hall by	1:15 pm onwards
Last entry time to the exam hall	1:30 pm
Invigilator verifies admit cards and makes important announcements	1:30 pm to 1:45 pm
Distribution of exam booklets	1:45 pm
Candidates fill out particulars in the booklet	1:50 pm – 2 pm
Commencement of exams	2 pm

Conclusion of exams	5.20 pm

NEET Exam Day Guidelines

Important instructions

Candidates must ensure to understand and follow the below-mentioned guidelines as specified by the NTA on the day of examination at the examination centre allotted. Exam day guidelines for NEET exams cover the following important aspects:

- Timeline – glance through a sequence of events and their timings on exam day
- Exam pattern & marking scheme – NEET pattern had some changes. Ensure to have thoroughly understood the NEET exam pattern and marking scheme of NEET.
- Dress code – Follow the dress code specified by the NTA
- Barred items – Read about the list of items that are barred from being carried to the examination hall and follow it
- Documents – carry all the documents as specified to the examination hall without fail (admit card, photos, valid ID proof, certificates if applicable)

NEET Exam centres

This year, there has been a significant increase in the exam centres for NEET. The officials have allocated 497 cities in India and 14 examination centres overseas.

The newly added 14 examination centres on foreign lands are located in the following cities –

Bangkok	Dubai	Kuwait City	Muscat	Singapore
Colombo	Kathmandu	Lagos	Riyadh	Sharjah
Doha	Kuala Lumpur	Manama	Abu Dhabi	

How many NEET exam centres can be selected?

Candidates are given an option to select four convenient cities of their choice in order of their priority as per convenience. Thereby, one can select city codes of their own city or from neighbouring cities of their state of residence. Note that one is allowed to select cities from their state only and not out of their state of residence or far away cities in some other state.

NEET Preparation – How to Start Preparing For NEET?

The best time to start preparing for NEET is right now! A sound preparation can certainly bring success to candidates appearing for NEET. Follow these simple steps to start preparing for NEET.

Checklist to start NEET Preparation

1. Get acquainted with NEET exam pattern

2. Download/take a print of the syllabus, question papers and other essential documents

3. Start strategizing

4. Design a study planner

5. Prepare your own notes

6. Focus on gaining conceptual clarity

7. Solve question papers and sample papers for NEET

8. Take up mock tests

9. Set realistic daily targets and achieve them

10. Solve as many as 150-200 questions per day

11. Take up 2 subjects a day

13 Other NEET Preparation Tips

Some other tips while preparing:

- Ensure to study for NEET exclusively every day. Over time one will get habituated to indulging in long-hours-studying with attention staying intact
- NEET is not a memory testing exam, hence give up on rote memorization techniques. Focus on gaining clarity on concepts, for which you can seek help. Learn from video tutorials to understand better
- Understand concepts and apply the same while solving problems.
- Practise and solve as many papers to increase your levels of speed and accuracy
- With ample time left, one can enhance the analytical capabilities by attempting to solve the same problem more efficiently by applying different techniques
- Cynosure must be on managing time efficiently, discipline and dedication to sticking to the routine, enhancing conceptual knowledge, etc.
- Practise diagrams, focus on chemical reactions, learn physics formulae
- If you find a topic difficult, reform it into a flowchart or visualize it in a diagram
- When reading chapters for the first time, go through them carefully. Do not learn. After completing the chapter, try to recall important information. Read and learn it the second time. This time it is learnt in-depth for its information. In the end, try recalling and solving questions in the chapter. This way, you have read the chapter twice and solidified your knowledge on the chapter
- Do not miss out on the summary section provided at the end of the chapter
- Study and understand examples carefully. They help understand concepts and apply the knowledge gained to solving questions
- Do not indulge in marathon reading sessions initially
- Maintain separate notes for NEET with all terminologies of NCERT intact. Highlight important points, use mnemonics, flowcharts, mappings, etc. Check out the article below to frame the best notes for NEET.

NEET Physics Preparation

Physics section of NEET requires regular practising of questions and clarity of concepts. Ensure to have thoroughly understood important concepts of NEET physics.

Important chapters for NEET Physics

Important chapters can be decided based on two factors – difficulty level and frequency of questions from the previous years' paper analysis. Some important concepts are:

Mechanics, Heat & Thermodynamics, Current electricity and electromagnetic induction, Ray Optics, Electro statistics & Magnetism, Modern Physics, Electronics, SHM & Waves and Rotational motion.

Best books for NEET Physics

- NCERT (Textbook) Physics – Class 11 & 12
- Objective Physics by Pramod Agarwal (For practising problems in mechanics and rotational dynamics)
- D. C. Pandey Objective Physics
- Problems in General Physics by I. E. Irodov
- Fundamentals of Physics by Halliday, Resnick, and Walker (For optics, waves, and electromagnetism)
- Concepts of Physics by H. C. Verma

NEET Chemistry Preparation

NEET Chemistry has three sections – Physical chemistry, organic chemistry and inorganic chemistry. This section of NEET is deemed to be the scoring section as students usually manage to get out of out in chemistry and hence a good NEET rank can be secured.

Important chapters for NEET Chemistry

Some important chapters to be prioritized in the chemistry syllabus for NEET are:

- Equilibrium
- p-block elements
- Hydrocarbons
- D and f block elements
- Coordination compounds
- Chemical bonding & molecular structure
- Electrochemistry
- Solutions
- Organic chemistry – Some basic principles and techniques
- Aldehydes, ketones and carboxylic acids

These were some important chapters, additionally ensure to cover the remaining chapters as well to be able to answer any type of question.

Best books for NEET Chemistry

Books for NEET Physical chemistry

- NCERT (Textbook) Chemistry – Class 11 & 12
- Physical Chemistry by P. Bahadur
- Physical Chemistry by O.P. Tandon

Books for NEET Organic chemistry

- NCERT (Textbook) Chemistry – Class 11 & 12
- Organic Chemistry Objective by Arihant (for practising problems)
- Organic Chemistry by O.P. Tandon
- Organic Chemistry by Morrison and Boyd (For reaction mechanisms)

Books for NEET Inorganic chemistry

- Concise Inorganic Chemistry (For Chemical Bonding, Atomic Structure and Coordination Chemistry)
- Inorganic Chemistry by O.P. Tandon

NEET Biology Preparation

NEET Biology section usually is considered to be the easiest of all to crack. It comprises 90 questions and carries 360 marks. If one has a good understanding and clarity of concepts, each question can be answered in less than a minute.

Most Important Chapters for NEET biology – Important units of NEET Biology

- Biological Classification
- Morphology of flowering plants
- Molecular Basis of Inheritance
- Principles of Inheritance and Variation
- Animal Kingdom
- Sexual Reproduction in Flowering Plants
- Human Reproduction

Moderately Important Chapters for NEET biology – NEET Biology Moderately Important Units

- Reproductive Health
- Environmental Issues
- Photosynthesis in Higher Plants
- Breathing and Exchange of Gases
- Plant Kingdom
- Chemical Coordination and Integration
- Cell- The Unit of Life
- Organisms and Population
- Biotechnology- Principles and Processes
- Biotechnology and its Applications
- Biodiversity and Conservation
- Cell Cycle and Cell Division
- Neural Control and Coordination
- Anatomy of Flowering Plants
- Digestion and Absorption
- Biomolecules

- Reproduction in Organisms
- Evolution
- Ecosystem

Less Important Chapters for NEET biology – NEET Biology Less Important Units

- Strategies for enhancement in food production
- Mineral Nutrition
- Transport in Plants
- Human Health and Disease
- Structural Organisation in Animals
- The Living World
- Microbes in Human Welfare
- Plant Growth and Development
- Excretory Products and their Elimination
- Locomotion and Movement
- Body Fluids and Circulation
- Respiration in Plants

These were some important chapters, additionally ensure to cover the remaining chapters as well to be able to answer any type of question.

Best books for NEET Biology (Botany + Zoology)

Books for NEET Biology

- NCERT (Textbook) Biology – Class 11 & 12
- SC Verma Biology books
- Dinesh Objective Biology
- Biology by GRB Bathla's Publications
- Trueman's Biology – Vol 1 and Vol 2
- Biology Books by Pradeep's Publications

Note: One must ensure to master the NCERT syllabus for NEET from class 11 and 12 primarily and then aim at referring from relevant sources to ace NEET.

NEET Result – Tie-Breaking Criteria

In case of two or more candidates secure the same marks/percentile scores in the NEET (UG), the inter-se-merit shall be determined as follows:

Criteria 1: The Candidate scoring more marks in Biology will be given a higher rank.

Criteria 2: If the tie still remains, the Candidate scoring more marks in Chemistry will be awarded a higher rank.

Criteria 3: Next, if the tie still remains, the Candidate scoring more marks in Physics will be awarded a higher rank.

Criteria 4: Further, the candidate with the least number of wrong answers will be given a higher rank.

Criteria 5: Candidates with a lesser number of incorrect attempted answers and correct answers in Biology

Criteria 6: Candidates with a lesser number of incorrect attempted answers and correct answers in Chemistry

Criteria 7: Candidates with a lesser number of incorrect attempted answers and correct answers in Physics

Criteria 8: The age criteria will be applied and the candidate senior in age will be awarded a higher rank in NEET-UG

Criteria 9: Finally, application number in ascending order

NEET Cut-off

Cut-off indicates the minimum score that must be obtained in order to qualify the entrance test. The NTA declares the cut-off for NEET along with the declaration of result. The list so published has the All-India ranks, category wise of all the candidates who have qualified for the test.

A merit list will be generated by the participating states for the upcoming counselling process. The scorecard, in addition to the cut-off marks, will also display the NEET cut-off percentile and the number of applicants.

Candidates who have cleared the cut-off will then be required to register themselves for the NEET Counselling process, a few weeks post the announcement of results.

Cut-off announced for a particular year varies, depending on factors such as the number of candidates appearing in the exam that year, students' performance, the difficulty level of the exam, etc.

NEET Reservation Criteria

The following table describes the reservation criteria for different categories. Take a look.

Groups/Categories	Reservation
General Economically Weaker section	10%
Scheduled Tribe	7.5%
Scheduled Caste	15%
Other backward castes	27%
Persons with disabilities	5%

NEET Counselling

The Medical Counselling Committee (MCC) of DGHS conducts online counselling for undergraduate medical programmes the information for which is available on the MCC website. Qualifying candidates are suggested to carefully go through the information related to counselling and know the course of action to be undertaken to appear in Counselling.

MCC Conducts Counselling for

- 15% All India Quota seats of states
- 100% medical seats of BHU OPEN

- AIIMS open seats
- JIPMER open
- Jamia open seats
- AMU open and internal seats
- 85% IP/Internal quota/domicile seats of DU
- AFMC – only registration
- 15% AIQ seats of ESIC & IP quota seats
- B.Sc. Nursing of selected central nursing institutions