





All About Pharmacy Entrance Exams



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INTRODUCTION



Pharmacy as a profession in India is undergoing a rapid change. Indian Pharmaceutical industry has registered a spectacular progress. The ever expanding Pharma industry and practice sectors need clinically and technologically trained pharmacy professionals who can face global challenges and compete with the multinationals. Pharmacist is no longer a mere dispenser of drugs but has assumed a more crucial role in medicine management and as overall health care programmer.

There are various educational institutions in the country that offer programs in Pharmacy at all Undergraduate (UG), Post graduate (PG) and Doctoral (PH.D) levels. But, the aspirants need to qualify an entrance examination in order to get enrolled into their choice of pharmacy course.

Shiksha has collated a list of some important Pharmacy exams in India. The exams are conducted across country. So, if you wish to seek admission in a Pharmacy programme in India, read further for more details about important pharmacy entrance examinations including the following:

Exam Dates	Eligibility
Exam Pattern	Exam Syllabus
Application Process	Admission Process
Admit Card	Exam Centres
Result	Colleges Accepting Exam Scores
Preparation Tips	Answer Key
Counselling	Cutoffs



Important Pharmacy Entrance Exams in India



GAT (PGP)

GAT (PGP) is an online admission test which is conducted by GITAM University for admission to its MPharm programmes offered at the Visakhapatnam Campus.

GAT (PGP) is a two hour exam that comprise a total of 100 objective type (multiple choice). Each question carry 4 marks.

Pattern

For every correct answer, students are awarded 4 marks and 1 mark is deducted from the total score for each question answered incorrectly. Questions which are left unanswered shall receive nil marks.

Section	Subject	No.Of questions	Marks
A	Pharmaceutics	25	100
B	Pharmaceutical Analysis & Quality Assurance	25	100
C	Pharmacology	25	100
D	Pharmaceutical Chemistry	25	100
Total		100	400



GPAT

GPAT or Graduate Pharmacy Aptitude Test is a national level exam which is conducted by All India Council for Technical Education (AICTE) for admissions to the Masters in Pharmacy (MPharm) programmes offered by various colleges in the country that accept a valid GPAT score. Students who clear the exam are eligible for admissions to AICTE approved colleges accepting GPAT scores in India.

GPAT is an online exam which is held in a single session.

Pattern

GPAT is an online computer based exam with 125 objective type questions. For each question answered correctly, students get 4 marks while for any question answered incorrectly, one mark is deducted.

Any question marked with a wrong response or more than one option is marked negatively.

The exam is of three hours.



NIPER JEE

NIPER Joint Entrance Examination abbreviated as NIPER JEE is conducted by the National Institute of Pharmaceutical Education, Hyderabad for admissions to its post graduate pharmacy programmes. Enlisted below are the courses into which a candidate can seek admission through NIPER JEE.

- Master of Science (MS) in Pharmacy
- Master of Pharmacy (MPharm)
- Master of Technology (MTech) in Pharmacy
- Master of Business Administration (MBA) Pharmacy
- Doctor of Philosophy (PhD)

Pattern

NIPER JEE is a 2 hour long exam which comprises a total of 200 multiple choice questions.

There is negative marking in this exam. 25% of the marks are deducted for each incorrect answer.



GATA

Goenkan Aptitude Test for Admission or GATA is conducted by G.D. Goenka University to analyze candidates in terms of Analytical and Logical Reasoning skills, Mathematics, English Language, Scientific and General Knowledge. Based on the performance in GATA, the candidates are selected for personal interview. The interviews are conducted by respective departments following which the students are granted admission.

Pattern

GATA is a 3 hour long exam which comprises of objective type questions. Each question has four options to choose the right answer from. The candidates are required to mark only one option as the answer. Multiple selection against a question are considered as wrong answer.



AP PGECET

Andhra University, Visakhapatnam conducts Andhra Pradesh Postgraduate Engineering Common Entrance Test (APPGECET) on behalf of the Andhra Pradesh State Council of Higher Education (APSCHE). The exam is a gateway for admissions to the post graduate Pharmacy programmes offered by various institutes in the state.

Pattern

AP PGECET is a Computer based test (online) of two hours. The exam consist of 120 Marks with 120 multiple choice Objective type questions. There is no negative marking for any question answered incorrectly. Aspirants get one mark for questions answered correctly.



MU-OET

[Manipal University](#) conducts its own online entrance exam to offer admission into various UG and PG courses including Pharmacy programmes. The candidates can secure admissions into the courses provided at Manipal University on the basis of their rank/score in Manipal University Online Entrance Test (MU-OET).

Pattern

This paper is 2.30 hour long with 200 MCQs (Multiple choice questions). The approximate distribution of questions is as follows:

- Physics - 50
- Chemistry - 50
- Biology - 70
- English & General Aptitude – 30



BVP CET

Bharati Vidyapeeth Common Entrance Test, also known as BVP CET is a university exam conducted by Bharati Vidyapeeth Deemed University, Pune for admissions to various UG and PG programmes including Pharmacy.

Pattern

BVP CET examination for B Pharma and Pharma D (UG) consists of one paper. The test takers shall solve two hundred objective-type questions. The question paper consist of 100 questions each in Physics and Chemistry based on the syllabus given. The duration of the examination is 3 hours.

The BPHA II question paper consist of two hundred objective-type questions, based on the syllabus mentioned in Education Regulation 1991 prescribed by Pharmacy Council of India for Diploma in Pharmacy (I and II yr.) course. The duration of pen and paper examination is of 3 hours. There is no negative marking.

BVP CET consist of 200 multiple choice questions. First 100 of these are from Physics while the next 100 are from Mathematics.

The exam is of three hour long and each question is of one mark. Please note that there is no negative marking for any question answered incorrectly.



OJEE PGAT

OJEE PGAT (OJEE Post Graduate Admission Test) is conducted by the Odisha Joint Entrance Examination Board. The exam is a gateway for admission to MTech, MArch and MPlan, and MPharm courses.

The exam is conducted in an offline mode and the candidates are evaluated on the basis of questions asked on Logical Reasoning, Arithmetic reasoning, and basic Architectural concepts.

Pattern

OJEE PGAT is a pen and paper based exam which comprise 60 multiple choice questions to be answered within an hour. The questions cover topics based on the branch specialization.

Every correct answer gain 4 marks and 1 mark each is deducted for incorrect answers.



WBUT PGET

[Maulana Abul Kalam Azad University of Technology](#) (West Bengal University of Technology) conducts a state level entrance examination – WBUT PGET - for admissions to MTech and MPharma programmes offered by various colleges in the state. Aspirants who have qualified [GATE/GPAT](#) can also appear for the exam.

Pattern

WBUT PGET is a two hour long exam and comprise a total of 100 marks with 100 multiple choice objective type questions. The exam would be spread across the following sections:

- General Section: English, Aptitude in Logical/Reasoning: 20 marks
- Mathematics, Basic Sciences & Engineering Sciences: 30 marks
- Relevant Engineering Section: 50 marks

The first two sections are common to all candidates. There is no negative marking in the exam



GLAET

[GLA University](#) conducts GLA University Entrance Test (GLAET) for admissions to various UG and PG level programmes including Pharmacy.

Pattern

GLAET exam for UG pharmacy programmes is a 1 hour 30 minutes long exam. It comprise a total of 75 questions. On the other hand. For Diploma in Pharmacy, the exam is 1 hour long and comprise a total of 45 questions.



HP CET

A state level entrance test, Himachal Pradesh Common Entrance Test (HP CET) is conducted by Himachal Pradesh Technical University (HPTU). The exam is used for admissions to BTech./BPharmacy/ BPharmacy (Ayurveda), MTech, MPharmacy, MCA and MBA being offered by HPTU and colleges affiliated to it, deemed to be University, or other Universities established under the State Act or Constituent units thereto.

The admission to all courses are on the basis of merit or rank/marks obtained in the National Level Entrance Test subject to fulfillment of minimum educational qualification. However after exhausting the merit of National Level Entrance Test, the admission to all the courses are done on the basis of the marks obtained in HP CET.

Pattern

HP CET is an offline exam comprising a total of 150 objective type questions. For every correct answer, two marks are awarded. While, 0.5 marks is deducted for each question answered incorrectly.

MPharma

Section	Subject	No. of questions	Maximum Marks	Duration
A	Physics	50	100	3 Hours
B	Chemistry	50	100	
C	Biology	50	100	
Total		150	300	

BPharma

Section	Subject	No. of questions	Maximum Marks	Duration
A	Physics	50	100	3 Hours
B	Chemistry	50	100	
C	Biology	50	100	
Total				



OJEE

Conducted by the Orissa Government, OJEE (Odisha Joint Entrance Examination) is a state level examination for admissions to BPharm, MBA/PGDM, MCA, and MTech courses offered by various colleges in the state.

Pattern

The paper is 1 hour long conducted in pen & paper mode. It comprise a total of 60 Multiple Choice Questions. Candidates are provided 4 options, out of which one correct option is to be selected

Every correct answer is granted 4 marks and 1 mark is deducted for every incorrect answer



CUCET

Central Universities Common Entrance Test (CUCET) is an all-India level entrance exam conducted by ten central universities and Dr. B R Ambedkar School of Economics (BASE) for admission in UG, PG, and PhD courses offered in these institutions.

Pattern

The exam comprise a total of 100 multiple choice questions that candidates need to complete in two hours duration. Each paper is divided into parts – A and B. However, Part B may be further divided into sections (depending on the course a candidate is applying for). Each section of Part B can have 25 or more questions.

Candidates can refer the table below for further clarification:

Part	Description	Number of Questions	Marks
A	English Language, General Awareness, Mathematical Aptitude and Analytical Skills	25	25
B	Domain Knowledge	75	75
Total	-	100	100

Marking scheme: Candidates are awarded one mark for each correct answer. There is negative marking of 0.25 mark for each incorrect answer.



UKSEE

Uttarakhand Technical University conducts UKSEE (Uttarakhand State Entrance Exam) for admissions to the Pharmacy programmes offered by the University and other Departments and Government/Private Institutes located in the state.

Pattern

All questions carry one mark for each correct answer. More than one answer indicated against a question is considered as an incorrect response. There is no negative marking for any question answered incorrectly. However, a record of all the questions answered wrongly by a candidate is maintained.

These maintained records are used when there is a tie where two or more aspirants secure same total marks. For such candidates, inter-se-merit is determined by the number of incorrect answers given by the candidate.



AP ECET

Andhra Pradesh Engineering Common Entrance Test (AP ECET) is conducted by JNTUA, Ananthapuramu on behalf of Andhra Pradesh State Council of Higher Education (APSCHE). The exam is a gateway for Diploma holders of Engineering Technology/ Pharmacy and BSc Graduates to seek admission under the lateral entry scheme to the 2nd year of BE/ BTech/ BPharmacy Programmes offered at Universities and AICTE/PCI approved Institutions in the state of Andhra Pradesh.

Pattern

The examination carries 200 Marks with 200 Objective type questions and the distribution of marks for each stream is as per examination pattern given below.

Pharmacy Stream

Subjects for the test	Max. Marks
Pharmaceutics	50
Pharmaceutical Chemistry	50
Pharmacognosy	50
Pharmacology	50
TOTAL	200



LPU NEST

[Lovely Professional University \(LPU\)](#) conducts an entrance test LPU-NEST to offer admissions into various undergraduate and postgraduate programmes offered by the University.

Pattern

LPU-NEST for Pharmacy is of 150 minutes (2 hrs. 30 min.) and consists of 110 multiple choice questions (MCQ) of the objective type.

The approximate distribution of questions is as follows:			
Subjects	No. of questions	Marks per Question	Maximum Marks per subject
Physics	30 questions	4 Marks	120 Marks
Chemistry	30 questions	4 Marks	120 Marks
Mathematics/ Biology	30 questions	4 Marks	120 Marks
English	20 questions	2 Marks	40 Marks

Applicants can opt for either English, Physics, Chemistry, Mathematics or English, Physics, Chemistry, Biology.

There is no negative marking for wrong answers or unanswered questions

AP EAMCET

Jawaharlal Nehru Technological University (JNTU), Kakinada conducts Engineering, Agriculture and Medical Common Entrance Test (AP EAMCET) on behalf of the AP State Council of Higher Education (APSCHE). AP EAMCET is a national level entrance examination which is conducted to offer admissions into various undergraduate professional courses available at various Universities/Private colleges in the state of Andhra Pradesh (AP).

Pattern

AP EAMCET is of three hour long. The question paper consists of 160 questions in total. Out of this number, 80 questions are from Mathematics and 40 questions each from Physics and Chemistry.

AP EAMCET question paper is of objective type in nature and for every correct answer candidates are awarded one mark.

GUJCET

GUJCET is conducted by the Admission Committee for Professional Courses (ACPC) for admissions to Engineering and Pharmacy programmes offered by various institutes in the state of Gujarat.

Pattern

GUJCET is a three hour long exam, exam which is held offline mode. There are 40 questions for each subject - Physics, Chemistry and Mathematics. The maximum marks of the exam is 120. For each question answered incorrectly, 0.25 marks are deducted.

For GCET, there shall be multiple choice question for the following subjects and the number of questions, marks and time shall be as mentioned in the table below:

Serial. No.	Subject	Questions	Marks	Time
1.	Physics	40	40	180 Minutes
2.	Chemistry	40	40	
3.	Biology	40	40	





KCET

Karnataka Examination Authority (KEA) conducts Karnataka Common Entrance Test (KCET) to offer admissions to interested candidates in various undergraduate as well as professional courses, offered by different colleges in the state of Karnataka.

Pattern

The entrance is spread over a duration of two days and is conducted in four (different) sessions for four different subjects. On the first day, KCET is conducted for Biology and Mathematics subjects in two sessions and on the next day the test is conducted for Physics and Chemistry subjects in two sessions.

Each question paper is from KCET syllabus and comprise questions in (Objective) Multiple Choice type format. The question paper (in each subject) is in 16 different versions and each question asked has four different answers from which the candidate can select.



NIMSEE

Nims University conducts NIMSEE (Nims Entrance Exam) for admission to various UG and PG courses including Pharmacy.

Pattern

The exam consist of multiple choice questions. Candidates are provided 4 options out of which they need to choose one correct answer. If a candidate chooses more than one option as the answer, the same is considered invalid.

The syllabus of the exam depends on the course the candidate has selected to seek admission into.



MHCET

MHCET or Maharashtra Common Entrance Test is conducted by the DTE (Directorate of Technical Education), Maharashtra for admissions to first year Engineering and Technology programmes (BE/BTech) and Pharmacy programmes (BPharma/PharmaD) in the state.

Aspirants seeking admission to Pharmacy / PharmD degree course must compulsorily appear for Paper II as well as in Paper I and/or Paper III.

Pattern

MHCET consists of three question papers. All the question papers are of multiple choice type (four options with one correct choice) to be answered on the OMR sheet. Each paper is of 100 marks and 90 minutes.



WBJEE

West Bengal Joint Entrance Examination (WBJEE) is conducted by the West Bengal Joint Entrance Examinations Board (WBJEEB). The Common Entrance Examination is conducted for admissions to professional undergraduate and post graduate level courses offered in Engineering & Technology, Pharmacy and Architecture in Universities, Government Colleges as well as Self Financing Engineering & Technological Institutes in the State of West Bengal.

Pattern

This entrance exam is conducted in offline mode to test the aptitude of candidates in three subjects which are Physics, Chemistry, and Mathematics. Though, there are two papers:

- Paper-I - Mathematics
- Paper-II - Physics & Chemistry combined

The exam pattern for WBJEE states that all questions are in Multiple Choice Questions (MCQ) format wherein each question with four options are given to candidates. Each question has only one correct answer and candidates have to color the bubble of the correct answer in their OMR answer sheet.



GAT UGTP

GITAM University conducts GITAM Admission Test (GAT) for admissions to various UG programmes offered in GITAM University at its Visakhapatnam, Hyderabad and Bengaluru Campuses.

Pattern

The duration of GAT - UGTP is 2 hours. The test consists of three sections:

Section	Subject	No. of Questions	No. of Marks
A	Mathematics / Biology	40	160
B	Physics	30	120
C	Chemistry	30	120
	Total	100	400

All the questions are objective type (multiple choice questions). Each question has four options out of which one is correct.

Each correct answer is awarded 3 marks and 1 mark is deducted from the score for each wrong answer. The unanswered questions receive nil marks.



BITSAT

Birla Institute of Technology and Science Aptitude Test (BITSAT) is conducted by Birla Institute of Technology and Science (BITS) to offer admissions to interested candidates to its Integrated First degree programmes including BE, Pharma and MSc programmes. BITSAT exam is a computer based test (CBT) which aspirants need to clear in order to secure admission at BITS campuses located at Pilani, Goa and Hyderabad.

Pattern

BITSAT exam paper is based on objective-type multiple choice questions where candidates are evaluated on the basis of how many answers they give correct.

It is a three hour duration computer based online entrance exam which is divided into four sections/parts. Each section consists of questions from different subjects such as Physics, Chemistry, English Proficiency and Logical Reasoning as well as Mathematics.



CEE AMPAI

Conducted by the Association of Minority Professional Academic Institutes (AMPAI), Common Entrance Examination AMPAI-WB(CEE AMPAI WB) is an entrance exam for admissions to BTech and BPharm degree courses offered by institutes listed below, via minority quota. Preference would be given to Sikh minority students, however, the remaining seats are filled by students from any other religion/caste/category across India, subject to fulfilling the required eligibility criteria.

Pattern

CEE AMPAI WB exam comprise Multiple Choice Questions (MCQ-type) with four options against each of the questions. Answer(s) to each of the questions is required to be marked on the OMR Answer Sheet. There is no negative marking for any question not attempted or marked incorrectly.

Take a look at the exam pattern below.

Subject	Category 1	Category 2	Total Marks
Mathematics	60 X 1 mark each	20 X 2 marks each	100
Biological Sciences	60 X 1 mark each	20 X 2 marks each	100
Physics	45 X 1 mark each	15 X 2 marks each	75
Chemistry	45 X 1 mark each	15 X 2 marks each	75



BITS HD

BITS (Birla Institute of Technical Science) Pilani conducts an online entrance exam - BITS HD Admission Test - for admissions to its higher degree programmes leading to ME/MPharm offered by all the three campuses - Pilani, Hyderabad and Goa.

Pattern

BITS HD is conducted in two parts. Test I and Test II.

BITS HD Test for Pharmacy is a 45 minutes written exam which comprise a total of 30 questions.

This section is compulsory for students to attempt. Test I comprises the following:

Sections	No. of Questions
Core Mathematics	15
English Language Skills & Principles of Management	15
Total	30



Marking Scheme for Top Pharmacy Entrance Exams

Exam	Duration	Total No. of Questions	Marking scheme
GAT (PGP)	2 Hours	100	4 marks for every correct answer -1 for every wrong answer
GPAT	3 Hours	125	4 marks for every correct answer -1 for every wrong answer
NIPER JEE	2 Hours	200	25% marks deducted for every incorrect answer
GATA	3 Hours		4 marks for every correct answer -1 for every wrong answer
AP PGECET	2 Hours	120	1 mark for every correct answer No negative marking
MU-OET	2 Hours 30 Minutes	200	4 marks for every correct answer -1 for every wrong answer
BVP CET	3 Hours	200	1 mark for every correct answer No negative marking
OJEE PGAT	1 Hour	60	4 marks for every correct answer -1 for every wrong answer
HPCET	3 Hours	150	1 mark for every correct answer -0.5 for every wrong answer
CUCET	2 Hours	100	1 mark for every correct answer -0.25 for every wrong answer
UKSEE		75	4 marks for every correct answer -1 for every wrong answer
WBUT PGET	2 Hours	100	1 mark for every correct answer No negative marking
BITS HD	45 Minutes	30	
GLAET	1 Hour 30 Minutes- BPharma 1 Hour- DPharma	75 45	
AP ECET	2 Hours	200	
LPU NEST	2 Hours 30 Minutes	110	4 marks for every correct answer No negative marking
OJEE	1 Hour	60	4 marks for every correct answer -1 for every wrong answer
AP EAMCET	3 Hours	160	1 mark for every correct answer No negative marking

GUJCET	3 Hours	120	1 mark for every correct answer -0.5 for every wrong answer
KCET	80 minutes x 3 sessions	180	1 mark for every correct answer No negative marking
MH CET	90 Minutes	150	No negative marking
WBJEE		155	
GAT UGTP	2 Hours	100	3 marks for every correct answer -1 for every wrong answer
BITSAT	3 Hours	150	3 marks for every correct answer -1 for every wrong answer
CEE AMPAI		Category I - 150 Category II - 70	1 mark for Category I – 2 marks for category II for every correct answer No negative marking



Topics to be Covered in Pharmacy Entrance Exams



MPharma

Physical Chemistry	Biotechnology
Physical Pharmacy	Microbiology
Organic Chemistry	Pathophysiology
Pharmaceutical Chemistry	Biopharmaceutics And Pharmacokinetics
Pharmaceutics	Clinical Pharmacy And Therapeutics
Pharmacology	Anatomy, Physiology And Health Education
Pharmacognosy	Pharmaceutical Engineering
Pharmaceutical Analysis	Pharmaceutical Management
Biochemistry	Pharmaceutical Jurisprudence
	Dispensing

BPharma

B Pharma/Pharma D (Pharma UG)

Physics:

Class XI	Class XII
Physical world and measurement	Electrostatics
Kinematics	Current Electricity
Laws of Motion	Magnetic Effects of Current and Magnetism
Work, Energy, Power	Electromagnetic Induction and Alternating Currents
Motion of System 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 Waves	

Chemistry:

Class XI	Class XII
Some Basic Concepts of Chemistry	Solid State
Structure of Atom	Solutions
Classification of Elements & Periodicity in Properties	Electrochemistry
Chemical Bonding and Molecular Structure	Chemical Kinetics
States of Matter: Gases and Liquids	Surface Chemistry
Thermodynamics	General Principles & Processes of Isolation of Elements
Equilibrium	p- Block Element
Redox Reactions	d and f Block Element
Hydrogen	Coordination Compounds
s-Block Element (Alkali & Alkaline earth metals)	Haloalkanes and Haloarenes
Some p-Block Elements	Alcohols, Phenols and Ethers
Organic Chemistry- Some Basic Principles & Techniques	Aldehydes, Ketones and Carboxylic Acids
Hydrocarbons	Organic Compounds Containing Nitrogen
Environmental Chemistry	Biomolecules
Polymers	Chemistry in Everyday Life

BPHA-II

The syllabus for entrance test (BPHA-II) shall be same as per ER 1991 of Pharmacy Council of India for Diploma in Pharmacy I and II year examinations





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