CAREER AFTER CLASS XTH

After class Xth you have 3 options :

1) **Science**
2) **Commerce**
3) **Arts/ Humanities Science**

There is an advantage to the Science students that they can pursue any career later, they can go in Commerce or Arts after class XII, but in Other streams they can't do this. In Science we have 2 options-

a) Medical -

- MBBS
- Dentistry
- Pharmacy
- Bioinformatics
- Biotechnology.

b) Non-Medical - Different categories of Engineering are as follows :

- Aeronautical Engineering
- Architect/ Architectural Engineering
- Civil Engineering
- Chemical Engineering
- Electronics Engineering
- Fire Engineering
- Genetic Engineering
- Industrial Engineering
- Mechanical Engineering
- Marine Engineering

Commerce & Humanities

Any student who have passed HSC (10+2) exams from Commerce/ Arts stream can do

- BBA (Bachelor of Business Administration)
- BCA (Bachelor of Computer Application)
- BBS/BFIA (Bachelor of Business Studies / Bachelor of Financial and Investment Analysis)
- BHM (Bachelor of Hotel Management)
- BBE (Bachelor of Business Economics)
- B. LAW (Bachelor of Law)
- BMC (Bachelor of Mass Communication)
- B. El. Ed. (Bachelor of Elementary Education)
- CA (Chartered Accountant)
- CS (Company Secretary)
- Fashion Designing
- Actuarial Science

Career in Engineering

The **Indian Institute of Technology Joint Entrance Examination** (popularly known as **IIT-JEE** or just **JEE**) is an annual college entrance examination in India. A total of fifteen colleges use JEE as a sole criterion for admission to their undergraduate programs. The fifteen colleges include the seven old and six new (2008) Indian Institutes of Technology, IT-BHU Varanasi, and ISMU Dhanbad. Starting in 2007, newly established institutions such as Indian Institutes of Science Education and Research (IISERs) at Kolkata, Pune, Mohali, Bhopal & Thiruvananthapuram, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, Kerala, Indian Institute of Maritime Studies, Mumbai and Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Raebarely, Uttar Pradesh, are also admitting students through the JEE (Extended Merit List). The exam is conducted by the various IITs by a policy of rotation. It is one of the toughest engineering entrance exams in the world with a success rate of around 1 in 45. Candidates who qualify in the IIT-JEE can apply for admission to the B.Arch (*Bachelor of Architecture*), BDes (*Bachelor of Design*), BTech (*Bachelor of Technology*), Dual Degree (*Integrated Bachelor of Technology* and *Master of Technology*) and Integrated MSc (*Master of Sciences*) courses in the various institutes. Achieving entrance into an IIT is often considered the pinnacle of achievement for a student of the sciences, and the IITs/IT-BHU/ISM attract most of the brightest students of the nation.

Of the 384,977 candidates who appeared in the examination conducted on April 12, 2009, 10,035 candidates have been declared qualified to seek admission, giving a selectivity of 1 in 38 overall, 1 in 46 for the 8,295 seats in IITs,IT-BHU and ISMU and 1 in 59 for the IITs only.

Current examination format

IITJEE-2009 was held on April 12, 2009. JEE-2008 was conducted on April 13, 2008 retaining the same pattern as JEE-2007 containing Paper-I & Paper-II (JEE-2007 had two papers of three hours duration each). The two papers each contained maths, physics and chemistry sections (in previous years, there were separate maths, physics and chemistry papers, each of two hours' duration). The syllabus of the examination is based on topics covered by the CBSE Board Examination (AISSCE) and the ISC Board Examination , though all topics of the AISSCE and the ISC are not included in the JEE syllabus. The pattern of questions in JEE is deliberately variable so as to minimize the chance of students getting selected by cramming up the probable questions. Currently, the examination has objective type question paper for all the subjects and uses machine readable Optical mark recognition answer sheets.

Given the importance attached to the JEE by students all over India, the IITs follow a rigorous procedure when conducting it every year. The exam is set by the JEE Committee (consisting of a group of faculty members drawn from the admitting colleges) under the tightest security. Multiple sets of question papers are framed and the set that is to actually be used on the day of the exam is known to only about five individuals. In the past, the JEE has been noted for originality in its questions.

The number of students taking this examination has increased substantially each year with the JEE-2008 registering about 311,258 candidates. The availability of seats in recent years is as given in table below:

Institute	Intake (2003)	Intake (2006)	Intake (2007)	Intake (2008)	Intake (2009)
IIT Bombay	554	574	574	648	746
IIT Delhi	552	553	553	626	721
IIT Guwahati	350	365	365	435	498
IIT Kanpur	456	555	541	608	702
IIT Kharagpur	659	895	874	988	1138
IIT Madras	554	520	540	612	713
IIT Roorkee	546	616	746	884	1013
New IITs opened in 2008					
IIT Bhubaneshwar				120	120
IIT Gandhinagar				120	120
IIT Hyderabad				120	120
IIT Patna				120	120
IIT Punjab				120	120
IIT Rajasthan				120	120
New IITs opened in 2009					
IIT Indore					120
IIT Mandi					120
Total (IITs)	**3571**	**4078**	**4193**	**5521**	**6491**
IT-BHU (Varanasi)	568	708	686	766	881
ISMU Dhanbad	444	658	658	705	923
TOTAL	**4583**	**5444**	**5537**	**6992**	**8295**

Aptitude Test for B.Arch. and B.Des.

Candidates called for counselling and desirous of joining the B.Arch. and B.Des. courses will be required to qualify in an Aptitude Test to be conducted at each counselling institute. The test will consist of two papers, each of two hours duration – from 10.00 a.m. to 12.00 noon, and from 2.00 pm to 4:00 pm. Candidates who fail to qualify in the Aptitude Test will not be eligible for admission to either B.Arch. or B.Des. courses. Question papers for aptitude test for B.Arch and B.Des will be in English only.

Month of Notification

Issue of Application Material : November / December

Last date for receipt of

completed application forms at IITs : December Entrance Examination :

"Chairman, JEE",of the respective lIT

List of Designated Branches of Banks : Union Bank of India, Canaught Place, Rajouri Garden, Karol Bagh, Model Town, Shalimar Bagh etc. Website http://jee.iitd.ac.in/ IVRS No. 011-26581064, 011-26582002 Phone 011-26591735

Name of Programe : **ALL INDIA ENGINEERING ENTRANCE EXAMINATION (AIEEE)**

All India Engineering Entrance Examination

The All India Engineering Entrance Examination (AIEEE) is an examination organized by the Central Board of Secondary Education (CBSE) in India. Introduced in the year 2002, this national level competitive test is for admission to various under-graduate engineering and architecture courses in institutes accepting the AIEEE score, including 20 prestigious NITs. Students opting for B.Tech. are tested in physics, mathematics and chemistry. The test duration is 3 hours but maximum marks and the number of questions vary every year. However equal weightage is given to all the three sections. Students opting for B.Arch. are tested in mathematics and an aptitude test. It is held in the final Sunday of April and results are announced near the end of May. Candidates are ranked on an all India basis and also according to their position in state. Thus, they have an All India Rank (AIR) and a state rank (SR).

In 2009, around 9, 62,000 candidates appeared for the AIEEE across 1460 centers across India and in international centers set up at Dubai and Riyadh.

Scheme of Examination : Entrance examination would consist of two papers i.e. 1st paper consisting of three parts of Physics, Chemistry and Mathematics of equal weightage with objective type questions for BE/B.Tech courses and 2nd paper–consisting of Mathematics,Aptitude Test and Drawing for B.

Architecture & B. Planning. - The Aptitude Test is designed to evaluate candidate's perception, imagination, observation, creativity and architectural awareness. There will be Scoring & Negative Marking objective type questions with four options having single correct answer. For each incorrect response one third of the total marks allotted to the question would be deducted. No deduction from the total score will, however, be made if no response is indicated for an item in the answer sheet. The candidates are advised not to attempt such item in the answer sheet if they are not sure of the correct response. More than one answer indicated against a question will be deemed as incorrect response and will be negatively marked. All objective type questions are required to be answered on specially designed machine gradable answer sheets. Answers are to be marked using ball point pen (black/blue) only. For the purpose of evaluation, Test Booklet Code as printed in the Answer Sheet on Side-2 will be accepted as final.

B.E/B.TECH

SUBJECTS	***TYPE OF QUESTIONS***
Physics,Chemistry & Mathematics	Objective type questions with equal weightage to Physics, Chemistry & Mathematics

B.ARCH/B.PLANNING

SUBJECTS	***TYPE OF QUESTIONS***
Mathematics-Part I	Objective type Question
Aptitude Test-Part II &	Objective Type Question
Drawing test-Part III	Two questions to test drawing Aptitude

For more enquiry : The Joint Secretary (AIEEE Unit), Central Board of Secondary Education, Shiksha Sadan, 17, Rouse Avenue, Institutional Area, (Near Bal Bhawan), New Delhi-110002
Telephone: 011-55296269 *Website:* www.aieee.nic.in

TENTATIVE LIST OF PARTICIPATING TECHNICAL INSTITUTIONS

Delhi College of Engineering (DCE) is among the premier engineering colleges in India.

It was established in 1940, originally as **Delhi Polytechnic** and was under the direct control of Government of India. The college is presently under the Government of National Capital Territory of Delhi since 1963 and is affiliated to the University of Delhi since 1952.

The Cabinet Committee of Government of Delhi has approved the deemed-to-be-University status to DCE and the proposal is under active consideration of AICTE and Ministry of Human Resource and Development, Government of India.

Undergraduates:	2000 (full-time) 200 (part-time)
Postgraduates:	450 (full-time) 55 (part-time)
Location:	Delhi, Delhi, India
Campus:	Delhi (suburban; 163.9 acres)
Affiliations:	University of Delhi
Website:	http://www.dce.edu/ and http://www.dce.ac.in/

Netaji Subhas Institute of Technology (NSIT), New Delhi is among the premier Engineering Colleges of India. It is an Institution of the Government of NCT of Delhi under Department of Training and Technical Education. It formally comes under the purview of Faculty of Technology, University of Delhi.

Undergraduates:	1800
Postgraduates:	100
Doctoral students:	50
Location:	Delhi, India
Campus:	Urban, 145 acres
Former names:	Delhi Institute of Technology (1983-1997)
Affiliations:	Delhi University, Faculty of Technology
Website:	http://www.nsit.ac.in

National Institutes of Technology (NIT)

S. No.	Institution Name	S. No.	Institution Name
1	NIT Allahabad	2	NIT Bhopal

3	NIT Calicut	4	NIT Durgapur
5	NIT Hamirpur	6	NIT Jaipur
7	NIT Jalandhar	8	NIT Jamshedpur
9	NIT Kurukshetra	10	NIT Nagpur
11	NIT Patna	12	NIT Rourkela
13	NIT Silchar	14	NIT Sri nagar
15	NIT Surathkul	16	NIT Surat
17	NIT Tiruchirapalli	18	NIT Warangal

Indian Institutes of Information Technology/ Indian Institute of Information Technology & Management

19	IIIT Allahabad	20	ABV-IIITM Gwalior
21	IIIT Hyderabad	22	PDPM IIIT Jabalpur

DEEMED UNIVERSITIES

1. University of Petroleum and Energy Studies (UPES), Dehradun, (Uttranchal)
2. SRM Institute of Science & Technology, Chennai-600033
3. Thapar Institute of Engineering & Technology, Patiala
4. Punjab University, Chandigarh
5. Sri Nandhanam College of Engineering & Technology, Tirupattur, Vellore Distt. (T.N.)
6. Indian Institute of Carpet Technology, Chauri Road, Bhadohi (U.P.)
7. Shanmugha Arts, Science & Technology & Research Academy (SASTRA), Thanjavur
8. Chhatrapati Shivaji Institute of Technology, Shivaji Nagar, Kohlihapuri, Durg, Chhatisgarh
9. Bhilai Institute of Technology, Bhilai House, Durg, Chhatisgarh
10. Rungta College of Engineering & Technology, Bhilai, M.P.
11. Nirma University of Science & Technology, Gandhi Nagar, Ahmedabad, Gujrat
12. Shri Mata Vaishno Devi University, Sira Kotla Kakrial, P.O. Panthal, Udhampur
13. Shri Shankaracharya College of Engineering & Technology, Junwani, P.O. Nehru Nagar, Bhilai
14. M.P. Christian College of Engineering & Technology, Kailash Nagar, Bhilai (Chhatishgarh)

OTHER INSTITUTIONS

1. Army Institute of. Technology, Dighi Hills, Pune
2. National Institute of Foundry & Forge Technology, Hatia, Ranchi

STATES/ UTS :

1 .	West Bengal	2.	Punjab University, Chandigarh

Name of Programme **COMMON ENTRANCE TEST (CET) GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY**

Month of Notification : November

Issue of Application Form : February

Last Date of Filling of Application Form : March

Conduct of Entrance Examination : May

Scheme of Examination Objective Type (Four options)

Total No. of Marks : 600

Total No. of Questions : 150

Marks allotted to each question : 4

Negative Marking -1 for each incorrect answer

For more enquiry Guru Gobind Singh Indraprastha University, Kashmere Gate, Delhi-110403 Phone: 011 23900166 to 168 Email:mail@ipu.edu Website: http://www.ipu.ac.in

Name of University : **Punjab Engg. College Deemed University.**

Total No. of Seats : 1800 Seats

Month of notification : June

Scheme of Examination : Seperate Entrance Exam for PEC

For more enquiry : Punjab Engg. College, Sector - 12, Chandigarh, *www.pec.ac.in*

GCET Jammu or Government College of Engineering and Technology, Jammu is an engineering institute located in Jammu, J&K, India. It offers the degree of Bachelor of Engineering (B.E.) in Computer Sciences, Electronics and Communication Engineering, Mechanical Engineering, Civil Engineering and Electrical Engineering. It has been imparting training to engineering students since 1994. This is the first engineering college from the Jammu region of the J&K.

The admission of students to GCET Jammu is made through a Common Entrance Test conducted by the BOPEE (Board of Professional Entrance Examinations). This college has been approved by the AICTE. The college is affiliated to the University of Jammu. The strength for the intake of B.E. students is:

Branch	Strength
Civil Engineering	30
Mechanical Engineering	30
Electrical Engineering	30
Electronics and Communication Engineering	30
Computer Engineering	40

The **National Institute of Technology, Srinagar**(formerly Regional Engineering College, Srinagar), commonly known as NIT-Srinagar or NIT-S, is an Institute of National Importance in Northern India. It forms a part of the league along with other NITs in India.

Faculty:	200
Students:	1500(approx)
Undergraduates:	1350(approx)
Postgraduates:	150(approx)
Location:	Srinagar, Jammu & Kashmir, India
Website:	www.nitsri.net

Name of University : **Kurukshetra University Haryana**
Total No. of Seats : N. A.
Month of notification : March
Scheme of Examination : Seperate Entrance Exam for Kurukshetra University
For more enquiry : www.kukinfo.com

Name of University : **Uttar Pradesh Technical University**
Total No. of Seats : 3000
Month of notification : March
Scheme of Examination : Seperate Entrance Exam for Kurukshetra University
For more enquiry : www.uptu.org
Name of University : **Maharishi Dayanand University, Rohtak**
Total No. of Seats : 240
Month of notification : March
For more enquiry : www.mdurohtak.com
Name of University : **Punjab Technical University**

Introduction :

Punjab Technical University, Jalandhar was established in January 1997 for advancement of technical education & development. The University has under its affiliation 40 Engineering colleges,56 Management, 17 Pharmacy colleges ,6 Architecture 2 Hotel Management and 13 colleges imparting courses in Medical Lab Technolgy& IT disciplines. The University has an intake of more than 12700 and total strength of more than 60,000 approx. University has established 12 Regional Centres for M-Tech courses and has established school of Enterprennership 2 TQM as Mohali.

Month of notification : March

For more enquiry : www.ptu.ac.in

NANO- TECHNOLOGY

Nano- technology courses offer knowledge and training on the development and modification of devices with atomic precision where the dimension of particles is less than 100 nanometers. It is an interdisciplinary subject that integrates the stud of Bio- informatics, Bio- technology, Physics, Chemistry as well as other disciplines. There is a huge demand for students who have done Nano-Technology Courses in a good number of industries and laboratories in India and abroad. The scope and application of nanotechnology is wide ranging and therefore many institutes are now introducing degree courses in this field at the graduate and post graduate level.

Courses in Nano-Technology

There are quite a number of institutes that offer Nano-Technology Courses in India and abroad. The M. Tech. in Nanotechnology is a post graduate degree courses that provides a thorough understanding on the core concepts of nanostructuring, characterization techniques and fabrication techniques for nano devices. Other courses include M. Tech. in Health Care Nanotechnology and Ph.D. in Nanotechnology.

Eligibility: For admissions to M. Tech. (Nanotechnology) course candidates must have a B. Tech. / B. E. degree in Biotechnology, Chemical Engineering or Pharmaceutical Technology with at least of 65% marks.

The institutes in India offering nano- technology courses are :

1. Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore

2. Central Scientific Instruments Organization, Chandigarh

3. Indian Institute of Science, Bangalore

4. National Physical Laboratory, Delhi

5. National Chemical Laboratory, Pune

6. Defence Materials Store Research & Development Organization, Kanpur

7. The IITs at Mumbai, Kanpur, Chennai, Guwahati and Delhi

8. Amity Institute of Nano-technology, Noida

Dairy Technology Courses

Dairy Technology Courses are prepared with the objective of imparting valuable training and guidance to the students on packaging, processing, transportation, storage and distribution of dairy products. Dairy technology is based on the sciences of nutrition, bacteriology and biochemistry. As you enroll in a course in this technology, you will learn about various methods and processes involved in the prevention of wastage and damage of milk and milk products.

Indian Army

NDA

ADMISSION DETAILS :

Eligibility Criteria

* XII Class / Equivalent passed certificate conducted by State Board / Universities. Candidate appearing for above examination can also apply.
* Unmarried male candidates only Age between 16 1/2 to 19 years

Admission Form

About a year before the commencement of a Course, a brief notice appears in the leading daily newspapers and a detailed notification in the Government of India Gazette, offering about the entrance examination to be held by the UPSC six months later at Agartala, Ahmedabad, Aizwal, Allahabad, Bangalore, Bareilly, Bhopal, Mumbai, Calcutta, Chandigarh, Cochin, Cuttack, Delhi, Dharwar, Dispur (Guwahati), Gangtok, Hyderabad, Imphal, Itanagar, Jaipur, Jammu, Jorhat, Kavaratti (Lakshadweep), Kohima, Lucknow, Madras, Madurai, Nagpur, Panji (Goa), Patna, Port Blair, Raipur, Sambalpur, Shillong, Shimla, Srinagar, Tirupati, Trivandrum, Udaipur and Vishakhapatnam.

How to Apply

A candidate seeking admission to the examination must apply to the Secretary, Union Public Service Commission, Dholpur, House, New Delhi-110011, on the application form published in newspapers. The candidates may utilize the original form published in newspapers or in "Employment News" and fill up the columns in their own handwriting with ball-point pen. They may also use the application form and the Attendance Sheet neatly typewritten on white paper (foolscap size) in double space typed on only one side of the paper. There is no objection to candidates using printed/Application Form and Attendance Sheet, if available, from private agencies as long as the format is exactly the same as published in the advertisement. Candidates who have appeared for the previous examinations will not be considered. The envelope containing the application should be super scribed in bold letters as "APPLICATION FOR NATIONAL ACADEMY EXAMINATION" .

Selection Procedure

The process of selecting cadets for the National Defense Academy is split into three phases :

* A written examination held by the Union Public Service Commission.
* An interview by the Service Selection Board to assess a candidate's officer potentialities (Intelligence and personality test).
* A medical examination by a Service Medical Board.

For more information log on to: www.joinindianarmy.nic.in

Indian Air force

You can literally touch the sky by joining the Air Force, not to mention that you'll be inside a supersonic jet, going at an incredible speed while doing that. Apart from the thrill and adventure, Air Force offers a fulfilling career for life to you.

The Basic Process

Candidates, short-listed for Air Force after the initial selection procedure, go through a rigorous three-year training regimen at the National Defense Academy, followed by specialised training at the Air Force Academy. Thereafter, they are commissioned as officers and posted as pilots at any of the Air Force Stations.

To be in the National Defence Academy

You can join NDA by taking the exam conducted by Union Public Service Commission (UPSC). This exam is conducted twice a year in all major cities throughout India.

Eligibility Criteria

To join the NDA you need to fulfill the following requirements:

* **Age** 16 ½ to 19 years*
* **Nationality** Indian
* **Gender** This is applicable only to men.
* **Educational Qualifications**

  You should have passed your 10+2 with Physics *and* Mathematics. You can, however send us your application during your 10+2; provided you meet the eligibility criteria at the time of joining the Academy.
* *At the time of commencement*

  For more information log on to: http://careerairforce.nic.in/

Indian Navy

Sailors Cadre - Artificer Apprentice (AA)

ELIGIBILITY CONDITIONS FOR ARTIFICER APPRENTICES (AA)

Age - The applicant should be of the age between 17-20 years (ie. he should not be less than 17 or more than 20 years on the date of enrolment).

Nationality - Applicant should be a Indian resident. The Gorkhas, subjects of Nepal, are also eligible for applying for AA recruitment.

Marital Status - Applicant should be an Unmarried male.

Minimum Educational Qualification

(a) 1st condition - Applicant should have passed Class 12th or equivalent with subjects of Physics, Chemistry and Mathematics.

(b) 2nd condition - Minimum qualification marks required for applying for a particular type of entry into Indian Navy may vary and the same would be promulgated in the advertisement in Newspapers and this website on as required basis.

Physical Standards

The candidate should be physically fit for enrolement into Indian Navy. This capability is tested at the examination venue on qualifying in written examination and is termed as Physical Fitness Test (PFT). Qualifying in Physical Fitness Test is mandatory. PFT will consist of 1.6 km run which is to be completed in 07 minutes, 20 Squats (Utthak Baithak) and 10 Push ups.

Medical Standards

(a) Medical examination will be conducted by authorized Military Doctors as per medical standard prescribed under current regulations applicable to the sailors of Indian Navy on entry. The detailed guidelines for medical standards are laid down in the Navy Orders (SPL) 01/1999 by IHQ MOD (Navy).

(b) Physical traits include minimum height of 157 cm with proportionate body weight depending on the age and height of the candidate. He should also have proportionate chest with minimum expansion capability of 05 cms.

(c) Candidate should possess good mental and physical health, should be free from any disease / disability and have no cardio vascular disease, surgical deformities like Knock-Knees, Flat-Foot. Candidate should not have a past history of fits or psychiatric ailments Vericose-vein etc. He should not have any type of infection in the ears. Candidates are advised to get their ears cleaned for wax and tartar removed from teeth before appearing for the written test followed by PFT and Medical examination.

For more information log on to: www.nausena-bharti.nic.in

Positive attitudes
creat a
chain reaction of
Positive thoughts.

Career in Medical

Overview

Becoming a doctor is a childhood dream for many. Perhaps, there is no other career which commands such a respett and awe as medicine. The power to heal has placed the medical profession several rungs above all others. A doctor's profession involves a lot of hard work with a good degree of dedication and at the same time, it also brings with it the satisfaction of having cured people suffering from illness, disease and trauma.

A simple degree in medicine is however not enough for making a successful and a satisfactory career. One needs to do specialization in any of the branches of medicine or surgery to become a specialist of certain kind e.g. Pediatrics, Ophthalmology, Gynecology, Surgery, Neurosurgery, NeonatoLogy etc. A doctor may also have to acquire certain computers : IT skills, which are necessary to operate and use sophisticated medical equipments, which not only help in exact diagnosis of an ailing patient but also provide options to use non-invasive methods of treatment.

Under Graduate Courses

M. B. B. S. (Bachelor of Medicine and Bachelor of Surgery)

This program is a 5 years course divided into three professionals of three semesters each. A semester comprises of 18 months. A wide range of subjects like anatomy, physiology, biochemistry, microbiology, pathology, pharmacology, forensic medicine, general medicine, surgery, ophthalmology, ENT (ear, nose, throat), gynecology, orthopedics as well as preventive and social medicine are taught. The last 1 year is devoted to compulsory rotating internship.

B. D. S. (Bachelor of Dental Sciences)

This program is of 4 years duration followed by 1 year compulsory rotating internship. A wide range of courses like basic anatomy, physiology, biochemistry, pharmacology and microbiology are taught. Specialization in dentistry and hands-on-practice are during the two final semesters.

B. H. M. S. (Bachelor of Homoeopathic Medicine & Surgery)

This program is of $5\frac{1}{2}$ years duration including one year compulsory internship. The Homoeopathic Education in " India is presently monitored by the National Institute of Homoeopathy, which is a statutory Central Government body.

B. A. M. S. (Bachelor of Ayurvedic Medicine and Surgery)

This program is of 5 1/2 years duration. The Ayurvedic Education in India is presently being monitored by the Central Council of Indian Medicine (CClM), which is a statutory Central Government body.

B. U. M. S. (Bachelor of Unani Medicine & Surgery)

This program is an undergraduate degree course in Unani Medicine & Surgery. The Unani Education in

India is being monitored by the Central Council of Indian Medical (CClM), which is a statutory Central Government body.

B. V. Sc. & A. H. (Bachelor of Veterinary Sciences & Animal Husbandry)

This programme is a 5 1/2 years course in Veterinary Science and Animal Husbandry. The Veterinary education in India is being monitored by the Veterinary Council of India.

B. Pharm. (Bachelor of Pharmacy)

This program is a 4 years degree course in pharmacy. The course prepares eligible professionals for pharmaceutical industry. These professionals are in great demand in India and abroad. The monitoring work is being carried out by the Pharmacy Council of India.

B. Sc. Nursing (Bachelor of Science in Nursing)

The duration of B.Sc. nursing course varies between 3 to 4 years. Specialization in Operation Theatre, Cardiac Care and surgery are also available. In India, Nursing Council of India is the Governing body for this program.

B. P. T. (Bachelor of Physiotherapy)

This program is a graduate degree course offered by different medical colleges of the country. During the course, one learns the scientific procedures used in the treatment of a patient with disability, disease or injury to achieve and maintain functional rehabilitation .This program also focuses on prevention of malfunction or deformity.

B. O. T. (Bachelor of Occupational Therapy)

This program is a graduate degree course in occupational therapy which is offered by different medical institutes of the country. The programme prepares professional therapists who help people with physical or mental disabilities in achieving maximum functioning and independence at home and at the workplace.

B. M. L. T. (Bachelor of Medical Laboratory Technology)

The B.Sc. programme in medical laboratory technology is offered by different medical colleges/institutions across the country. The degree awarded is B.Sc.- M.L.T. The medicine technologists are an integral part of the medical profession These professionals get involved in practical and technical work to aid correct diagnosis and in the functioning of Biochemical Laboratories.

Biotechnology

Biotechnology is technology based on biology, especially when used in agriculture, food science, and medicine. Biotechnology also means any technological application that uses biological systems, living organisms, or

derivatives thereof, to make or modify products or processes for specific use. It is basically the manipulation of organisms to do practical things and to provide useful products. Biotechnology deals with the directed usage of organisms for the manufacture of organic products like beer and milk products.

How to pursue Biotechnology Courses

There are various manners in which you can study biotechnology - like you can opt for undergraduate Biotechnology courses which includes B.Sc, B.E, B.Tech, 5-year integrated B.Tech/M.Tech) and at PG level (Msc/ M.Tech). You can also pursue specialized courses at research level.Biotechnology offers PG courses, which you can opt for after graduating in Physics, Chemistry, Biology and Microbiology. After your PG, you can go in for PhD after which you can go in for Post-doctoral research. Here, we would like to mention that students usually prefer to do PhD and Post-doctoral research from abroad.

For more information log on to- All India Biotech Association - www.aibaonline.com

Universities and Courses :

1. Guru Nanak Dev University Amritsar- M.Sc. Biochemistry- *www.gndu.ac.in*

2. Punjabi University Patiala – M.Sc. Biochemistry- *www.punjabiuniversity.ac.in*

3. Jamia Millia Islamia Delhi- BSc. In Biotechnology (Vocational) -*www.jmi.nic.in*

4. Delhi University- BSc. In Biotechnology- *www.du.ac.in*

5. Kurukshetra University Haryana- BSc. In Biotechnology- *www.kukinfo.com*

Psychiatry

Courses on psychiatry are structured in such a way as to train individuals to explore the labyrinth of the human mind through the help of evidences and subtle techniques. A psychiatrist can draw a fine line of demarcation between people with a healthy mind and those who are mentally sick. He/She should be professionally and educationally adept in transcending all the ethnic and geographical borders and treat patients with empathy by employing the tools of psychotherapy.

The following institutes offer courses in Psychiatry :

1. Central Institute of Psychiatry, Ranchi

2. Institute of Human Behaviour and Allied Sciences, New Delhi

3. Karnataka University, Dharwad (Karnataka)

4. Lady Hardinge Medical College, New Delhi

5. Maulana Azad Medical College,New Delhi

6. Medical College, Madras

7. National Council of Educational Research and Training, New Delhi

8. National Institute of Mental Health and Neuro Sciences (NIMHANS), Bangalore

Nursing Course

Nursing Courses teaches an individual all about taking care of ailing humans. No medical service is complete without nursing. From the general wards to the operation theater, trained nurses are required everywhere. Nursing comprises of several responsibilities, from handling the bedside cases to specialized duties like dealing with psychiatric or pediatric patients. Nursing also involves other duties like maintaining the health records of patients, dispensing medication, setting up the equipments of an operation theater and many other routine jobs.

Courses offered by

Armed Forces Medical Services Examining Board-Nursing Schools.

1. GNM, Mamba School of Nursing, I.N.H.S Aswini, Colaba, Mumbai.

2. GNM, Delhi Cantt. Army Hospital Delhi Cantt-10.

3. GNM, Calcutta, Command Hospital, Eastern Command, Calcutta-27

4. GNM, Jalandhar, Military Hospital, Jalandhar, Cantt.

5. GNM, Lucknow, Command Hospital, Central command, Lucknow

6. M. Meerut, Military Hospital, Meerut

DELHI

1. Army Hospital, Delhi-110 001

2. Holy Family Hospital, Okhla Road, P O Jamia Nagar, New Delhi-110 020

3. Rufeid School of Nursing, Majeedia Hospital, New Delhi

4. Sir Gangaram Hospital, Rajinder Nagar, New Delhi

PUNJAB

1. Anil Baghi Hospital, Ferozepur City

2. Christian Medical College & Hospital, Ludhiana

3. Dr. B.L. Kapoor Memorial Hospital, Ludhiana

4. Gulab Devi Hospital, Jalandhar

5. Gurunanak Mission Hospital, Dharan Kalan, Jalandhar

6. Guru Teg Bahadur (Charitable) Hospital, Ludhiana

HARYANA

1. General Hospital, Karnal

2. Medical College Hospital, Rohtak

Medical Entrance Examination

Admission in the different medieal colleges and hospitals of the country for the purpose of producing medical professionals is done through various entrance examinations. These entrance examinations are conducted by the conducting boards or organizations at All India Level or State Level.

The purpose of conducting these entrance examinations is selection of candidates for admission in the different medicine courses available in different medical colleges & hospitals at diploma, degree, post-diploma, postgraduate degree and research level.

Generally the entrance examination for admission in the diploma and degree courses is held separately at all India level and state level. However, the entrance examination for admission in the post graduate degree and research programmes is done on an all India basis or state basis.lf one figures in the merit list of an entrance examination, he/she is placed on a platform from where one can choose a number of career options available in the field of medicine.

A candidate willing to take admission in any medical College and hospital of the country can choose to appear in any of the medical entrance examinations.

List of Medical Colleges & their Testing Schedule

Name of Exam	:	**CBSE**
Total No. of Seats	:	1600 (15% seats in local municipal & Govern. Colleges of India)
Month of notification	:	October
Scheme of Examination	:	Preliminary Exam Physics/Chemistry : 100, Botany/ Zoology : 100 Duration : 3 Hrs. Negative Marking 1/3 Max. Marks : 600 Final Exam Physics/Chemistry : 100 /2 hrs Botany/Zoology : 100 /2 hrs.
For more enquiry	:	The Assistant Secretary (AIPMT) Central Board of Secondary Education AIPMT Unit, Shiksha Kendra, 2, Community Centre, Preet Vihar, Delhi - 110 301. Tel. : 011 - 22509252-59 Fax : 011 - 2209251, www.cbse.nic.in www.aipmt.nic.in
Name of Exam	:	**AIIMS**
Total No. of Seats	:	34 (Gen), 07 (SC), 04 (ST), 05 (Foreign candidate)
Month of notification	:	January / Feb
Scheme of Examination	:	Physics : 60, Chemistry : 60, Biology : 60, Gen. Knowledge : 20 Negative Marking 1/3 Max. Marks : 200 Duration : 3 hrs.
For more enquiry	:	Asst. Controller of Exams, Examination Section

All India Institute of Medical Sciences, Ansari Nagar, New Delhi - 29

www.aiims.edu. www.aiims.ac.in

Name of Exam : **DPMT**

Total No. of Seats : 51 LHMC, 106 MAMC, 63 UCMC, 58 BDS (only for Delhi students who pass 10 + 2 with 50% marks in PCB)

(40% for SC/ST) out of Delhi eligibility for female candidates belonging to SC/ST

Month of notification : Feb. / March

Scheme of Examination : Physics : 50, Botany : 50, Zoology : 50

Max Marks : 800

Negative Marking : 1/4

Duration : 3 hrs.

For more enquiry : Asst. Registrar, Facility of Medical Sciences.

VP Chest Institute Building, 6th Floor, Delhi University Delhi - 7

www.du.in

Name of Exam : **AFMC - Pune**

Total No. of Seats : 130 : 105 Boys 25 Girls (10 Seats reserved for SC/ST candidates)

Month of notification : December /January

Scheme of Examination : Physics : 50, Chemistry : 50, Biology : 50, English : 25,

Gen. Knowledge : 25

Negative Marking 1/4 Max.

Duration : 2 hrs.

For more enquiry : Office In Charge, Admission Cell, Armed Force Medical College, Sholapur Road Pune : 411040

www.indary.nic.in. www.afmc.nic.in, www.afmcpune.com

Name of Exam : **BHU - Varanasi**

Total No. of Seats : 55 Seats (5 Gilrs, 9 SC , 4 ST)

Month of notification : December

Scheme of Examination : Preliminary

Section A : (25) MCQs each in Phy - Chem - Bot - Zoo with one correct option

Section B : (25) MCQs each in Phy - Chem- Bot- Zoo with more then one correct option

Test Paper at glance Phy - Chem- Bot - Zoo :

(All objective Type Question)

M. Marks : 400

Negative Marking 1/2 Max. Duration : 3 hrs.

For more enquiry : Asst. Registrar, Faculty of Medical Sciences, BHU, Varanasi, UP 221005

www.bhu.ac.in, bhuresults. nic.in

Name of Exam	:	**MAHE Manipal**
Total No. of Seats	:	400 Seats (300 MBBS, 100 BDS)
Month of notification	:	January
Scheme of Examination	:	Physics : 60, Chemistry : 60, Biology : 80, Gen. Knowledge : 40 M.M. 720 (3 marks awarded for each right answer) Negative Marking : (1 Marks deducted for each wrong answer) Duration : 3 hrs.
For more enquiry	:	Dy Registrar, MAHE Ground Floor, University Building, Madhavnagar, Manipal 576119 admissions.manipal.edu
Name of Exam	:	**MGIMS Wardha**
Total No. of Seats	:	65 Seats (33 Maharastra + 32 Non Maharastra) 30% seats for women)
Month of notification	:	Dec./January
Scheme of Examination	:	1st Paper : Phy, Chemistry, Bio (MCQ Pattern) Maximum Marks : 60, No. Negative Marking Duration : 3 hrs.
For more enquiry	:	The Mahatma Gandhi Institute of Med. Sciences, Sevagram, Wardha (Maharashtra) 442102, www.mgims.net
Name of Exam	:	**CMC Vellore**
Total No. of Seats	:	60 (Open seats 15)
Month of notification	:	Feb./March
Scheme of Examination	:	Physics : 60, Chemistry : 60, Biology : 60, Gen. Ability : 120 Maximum Marks : 300 Duration : 3 hrs.
For more enquiry	:	The office of the registrar, Christian Medical College, Thorapadi PO, Vellore Tamilnadu - 632002
Name of Exam	:	**JIPMER**
Total No. of Seats	:	75 (open seats 14)
Month of notification	:	February
Scheme of Examination	:	Physics : 40, Chemistry : 40, Botany & Zoology : 80, General English : 40 M. M. 200, Duration : 2 hrs 30 min. (No. negative marking)
For more enquiry	:	Asst. Registrar, Faculty of Medical Science, JIPMER, Dhanvantry Nagar, Pondicherry 605006 Phone : 0413 - 38067/9, Fax : 085252 - 70062, www. jipmer.edu
Name of Exam	:	**JNMC Aligarh**
Total No. of Seats	:	190 (MBBS : 145 + 5 NRI, BDS : 35 + 5 NRI)
Month of notification	:	January
Scheme of Examination	:	Physics : 50, Chemistry : 50, Biology : 100 Duration : 3 hrs. Negative Marking : 1/4 Marks

For more enquiry	:	Admission Section, office of the controller of Exam Aligarh Muslim University, Aligarh (UP) - 202002 amu.ac.in, amucontroller exams.com
Name of Exam	:	**UPCPMT**
Total No. of Seats	:	833 (MBBS : 782 , BDS : 51)
Month of notification	:	Feb./March
Scheme of Examination	:	Physics : 100, Chemistry : 100, Botany & Zoology : 200 Duration : 3 hrs. Negative Marking : 1/4 marks
For more enquiry	:	Vice Chancellor, UP king George Univ. of Dental Sciences, Lucknow (UP) 226003 upkguds.com., uptu.nic.in
Name of Exam	:	**BCECE Bihar**
Total No. of Seats	:	580 Approx.
Month of notification	:	March / April
Scheme of Examination	:	Preliminary Physics : 50, Chemistry : 50, Biology : 50 Duration : 3 hrs Final Exam : Physics, chemistry, Biology = 100 each The Controller of Examination, Bihar Combined Entrance Competitive Examination- 2007 I. A. S. Association building, Near Patna Airport P.O. Veterinary College, Patna 800014 www.bceceb.org
Name of Exam	:	**Assam CEE**
Total No. of Seats	:	MBBS : 391 , BDS : 35
Month of notification	:	April
Scheme of Examination	:	Physics : 100, Chemistry : 100, Botany : 50, Zoology : 50 Duration : 1 1/2 hrs. Publication Department, Administration Block, Guwahati University, Guwahati - 781014
Name of Exam	:	**R-PMT (Rajasthan)**
Total No. of Seats	:	500 Gen Boys, 150 Gen Girls
Month of notification	:	Jan./ Feb.
Scheme of Examination	:	Physics : 100, Chemistry : 100, Biology : 100 Maximum Marks : 300 Duration : 2 hrs. Negative Marking : 1/3
For more enquiry	:	The controller RPMT/PVT Dean Office Block Faculty of Eng. Campus, JN Vyas University, Jodhpur, Rajasthan - 342011
Name of Exam	:	**Uttaranchal PMT**
Total No. of Seats	:	MBBS : 150, BDS : 50

Month of notification	:	March
Scheme of Examination	:	Physics : 50, Chemistry : 50
		Duration : 2 Hrs.
		Botany : 50, Zoology : 50
		Duration : 2 hrs. Maximum Marks : 200
For more enquiry	:	General Secretary, Medical Education & Health Deptt. Secretariate, UT Govt. Rajpur Road, Dehradun
Name of Exam	:	**Orissa JEE**
Total No. of Seats	:	MBBS : 273, BDS : 17
Month of notification	:	Feb / March
Scheme of Examination	:	Physics : 60, Chemistry : 60
		Duration : 2 hrs.
		Biology : 120
		Maximum Marks : 240 Duration 2 hrs.
		Negative Marking : 1/4 mark
For more enquiry	:	Chairman, JEE, Biju Patnaik, University of Rourkela, Orissa - 769001
Name of Exam	:	**WB JEE**
Total No. of Seats	:	Nov. / Dec.
Scheme of Examination	:	1st Paper Maths : 200, Physics : 200
		2nd Paper Chemistry : 200, Biological Science : 200
		3rd Paper Aptitude Test : 200
For more enquiry	:	West Bengal Board of Examination, State Hall, Bengal Engineering & Science University, Shibpur, Howrah, WB 711103
		jexab. becs.ac.in
Name of Exam	:	**Punjab PMT**
Total No. of Seats	:	MBBS : 380, BDS : 290
Month of notification	:	April / May
Scheme of Examination	:	Physics : 50, Chemistry : 50, Botany : 50, Zoology : 50
		Maximum Marks : 200 Duration : 3 hrs.
For more enquiry	:	Coordinator, Baba Farid University of Health Science, Faridkot, Pubjab
Name of Exam	:	**Haryana PMT**
Total No. of Seats	:	MBBS : 295, BDS : 400
Month of notification	:	Physics : 45, Chemistry, 45, Botany : 45, Zoology : 45
		Maximum Marks : 180
		Negative Marking : 1/4 Marks Duration : 3 Hrs.
For more enquiry	:	Asstt. Registrar (R - II), Maharishi Dayanad University, Rohtak, Haryana
Name of Exam	:	**HPCPMT**
Total No. of Seats	:	MBBS 115, BDS 180

Month of notification	:	April
Scheme of Examination	:	Physics : 50, Chemistry : 50, Biology : 100 Maximum Marks : 200 Negative Marking : 1/4 Marks Duration : 3 hrs.
For more enquiry	:	Dy. Registrar (Entrance Tests), Himachal Pradesh University, Shimla, H. P.171005
Name of Exam	:	**CET - Chandigarh**
Total No. of Seats	:	MBBS : 50
Month of notification	:	April
Scheme of Examination	:	Physics : 60, Chemistry : 60, Biology : 60 Maximum Marks : 180 Negative Marking : 1/4 Mark Duration : 3 1/2 hrs.
For more enquiry	:	Registrar, Punjab University, Sector 14, Chandigarh
Name of Exam	:	**MP - PMT - Bhopal**
Total No. of Seats	:	MBBS : 128
Month of notification	:	April
Scheme of Examination	:	Physics : 100, Chemistry : 100, Botany : 100, Zoology : 100 Maximum Marks : 400 Duration : 2 hrs. (for each paper)
For more enquiry	:	Professional Exam, Board, Link Road No. 1, Area Hills, Chinar Park Extn. Bhopal M.P. - 462011
Name of Exam	:	**Kerala PMT**
Total No. of Seats	:	MBBS BDS :
Month of notification	:	January
Scheme of Examination	:	1st Paper : Physics : 50 + Chemistry : 50 Duration : 2 hrs.
2nd paper :		Biology : 100 Duration : 2 hrs. Maximum Marks : 200
For more enquiry	:	Office of the Commissioner for Entrance Examination, Housing Board Buildings, Santhi www.winentrance.com
Name of Exam	:	**BVP Pune**
Total No. of Seats	:	250 (MBBS Pune : 150, MBBS Sanjgli : 100)
Month of Notification	:	January
Scheme of Examination	:	Physics : 50, Chemistry : 50, Botany : 50, Zoology : 50 Duration : 3 hrs.
For more enquiry	:	Admission office, Bharti Vidyapeeth Deemed University, Bharati Vidyapeet Bhavan, Lal bhartividyapeeth. edu