

## PARAMEDICAL COURSES

Paramedical services are those services where professionals help the doctors in specialized areas and facilities for better diagnosis, treatment and therapy. The increasing demand of skilled para-medical professionals has opened up several career opportunities for young aspirants in India as well as abroad. Without paramedics, the entire health care industry will come to a standstill and become almost non-functionary.

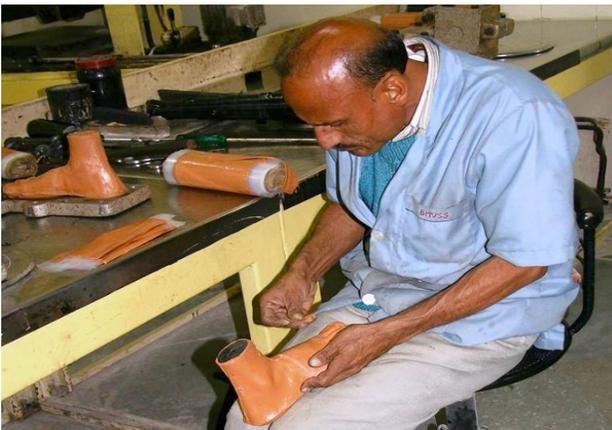
Students pursuing Physics, Chemistry, Biology (PCB) at + 2 level mainly aim at becoming a doctor. But very few of them give attention to the paramedical field which includes professionals like pharmacists, physiotherapists, nurses, medical laboratory technologist, optometrist, speech therapist, etc. All these professionals support the doctor in treatment of the ever increasing number of patients, afflicted with various diseases, making health care easy and effective.

It is a vast field. There are many courses available at degree, diploma and certificate level. The Para medical courses will be discussed in detail in 3 parts:-

Part 1 – Nursing.

Part 2 – Physiotherapy, Occupational Therapy, Prosthetics and Orthotics, Speech and Audiology, Optometry.

Part 3 – Pharmacy, Med Lab tech and miscellaneous courses in specialised area.



## PARAMEDICAL COURSES – PART I

A **Nurse** assists doctors and renders services to the patients in promotion of their health, prevention of illness and care of ill and disabled. The basic work of the nurse includes recording pulse and temperature, administering medication orally and through injections, changing dressing, giving personal care, preparing for surgery, etc.

The training in this field is available at degree, diploma and certificate level. Details of training facilities available at Delhi are given below-

S.No.	Name of the Course	Name of the Institute	Eligibility	Duration	Mode of Entry	Website
1	B.Sc. (Hons.) Nursing	GGSIIPU	10 + 2 PCB 50% + E	4 yrs	Entrance Exam (CET)	www.ipu.ac.in
2	"	AIIMS-Delhi, Bhopal, Bhubaneshwar, Jodhpur, Patna, Raipur, Rishikesh	10 + 2 with PCBE 55%	4 yrs	Entrance Exam	www.aiimsexam.org
3	"	AhilyaBai College of Nursing, LNJP Hospital (DU)	10 + 2 with PCBE 50%	4 yrs	Entrance Exam	www.delhi.gov.in
4	"	RajkumariAmritkau r College of Nursing, Lajpat Nagar	10 + 2 with PCBE 50%	4 yrs	Entrance Exam	www.rakcon.com
5	"	Holy Family Hospital, Okhla Road	10 + 2 with PCBE 50%	4 yrs	Entrance Exam	www.hfhdelhi.org
6	"	Lady Hardinge Medical College of Nursing	10 + 2 with PCBE 50%	4 yrs	Entrance Exam	www.mohfw.nic.in
7	General Nursing and Midwifery (GNM)	Panna Dai School of Nursing,DDU Hospital, Hari Nagar, N.D. - 110064	10+2 Class pass with 50%	3 yrs	Entrance Exam	www.delhinursingcouncil.com, www.indiannursingcouncil.org, www.nursingandmidwifery.gov.in
8	"	School of Nursing, GTB Hospital, Dilshad Garden Delhi - 110095	10+2 Class pass with 50%	3 yrs	Entrance Exam	www.delhinursingcouncil.com, www.indiannursingcouncil.org,

						<a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>
9	"	School of Nursing, Hindu Rao Hospital, Bara Hindu Rao, Delhi - 110007	10+2 Class pass with 50%	3 yrs	Entrance Exam	<a href="http://www.delhinursingcouncil.com">www.delhinursingcouncil.com</a> , <a href="http://www.indiannursingcouncil.org">www.indiannursingcouncil.org</a> , <a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>
10	"	School of Nursing, Kasturba Hospital, Darya Ganj, N.D - 110002	10+2 Class pass with 50%	3 yrs	Entrance Exam	<a href="http://www.delhinursingcouncil.com">www.delhinursingcouncil.com</a> , <a href="http://www.indiannursingcouncil.org">www.indiannursingcouncil.org</a> , <a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>
11	"	Swami Dayanand School of Nursing, Dilshad Garden, Delhi - 110095	10+2 Class pass with 50%	3 yrs	Entrance Exam	<a href="http://www.delhinursingcouncil.com">www.delhinursingcouncil.com</a> , <a href="http://www.indiannursingcouncil.org">www.indiannursingcouncil.org</a> , <a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>
12	Auxiliary Nursing and Midwifery (ANM)	Lady Reading Health School Bara Hindu Rao, Delhi- 110007	10+2 Pass	2 yrs	Entrance Exam	<a href="http://www.delhinursingcouncil.com">www.delhinursingcouncil.com</a> , <a href="http://www.indiannursingcouncil.org">www.indiannursingcouncil.org</a> , <a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>
13	"	Rural Health Training Center, Najafgarh, New Delhi - 110043	10+2 Pass	2 yrs	Entrance Exam	<a href="http://www.delhinursingcouncil.com">www.delhinursingcouncil.com</a> , <a href="http://www.indiannursingcouncil.org">www.indiannursingcouncil.org</a> , <a href="http://www.nursingandmidwifery.gov.in">www.nursingandmidwifery.gov.in</a>

\*This list is only indicative. There are many private/missionary/trust-run institutes offering education. Please ensure that the training/course is recognised by the Nursing council.

# INC has revised eligibility criteria for B.Sc. Nursing on 21.9.15 as 10+2 PCB 45% + Eng



## PARAMEDICAL COURSES – PART II

**Physiotherapy** - A physiotherapist cures, improves damaged muscles, joints, bones of patients using physical exercises and other therapeutic agents like, water and electricity.

**Occupational therapy** – The therapy helps in rehabilitating people with physical and mental illness and achieve independence in their activities of daily living. It aims at improving cognitive, physical and motor skills and their coordination using a wide range of educational, creative and recreational activities.

**Prosthetics and Orthotics** – A Prosthetist provides artificial limbs to people who have all or part of a natural limb missing. An Orthotist provides supportive braces and splints to people with various conditions of the limbs or spine. These both deal with assessment diagnosis and management of the whole body.

**Audiology and Speech therapy** – An Audiologist is an expert in the non-medical diagnosis and management of disorders of the auditory and balance systems. A Speech therapist is concerned with the treatment of loss of hearing and problems of speaking. The therapy focuses on speech impairments like stammering and other communication disabilities.

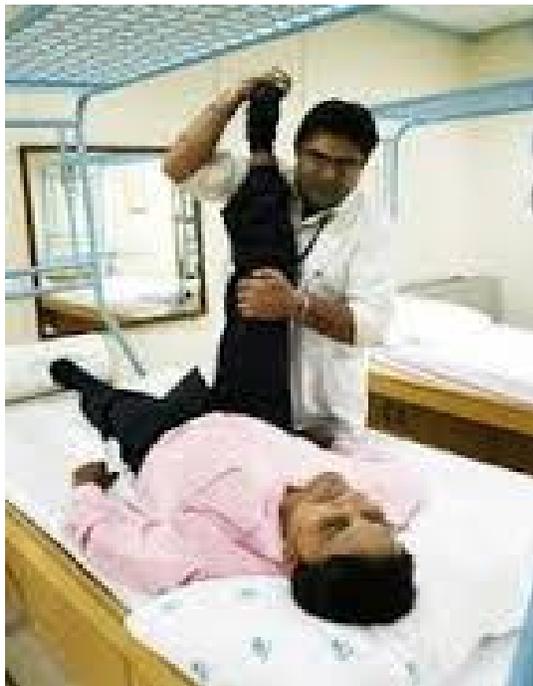
**Optometry** – An optometrist is a specialist who prescribes and fits lenses to improve vision.

The training in the above fields is available at degree/diploma level. Details of training facilities available at Delhi are given below -

S.No.	Name of the Course	Name of the Institute/University	Eligibility	Duration	Mode of Entry	Website
1	Bachelor of Physiotherapy (B.P.T)	Amarjyoti Institute of Physiotherapy (DU)	10 + 2 with PCBE 50%	4.5 yrs	Entrance Exam	www.ajipt.org
2	"	Pt. DeenDayalUpadhyay Institute of Physically Handicapped (DU)	10 + 2 with PCBE 50%	4.5 yrs	Entrance Exam	www.iphnewdelhi.in
3	"	Guru Gobind Singh Indrsprastha University (GGSIPU)	10+2 with PCB 50% + E	4.5 yrs	Entrance Exam (CET)	www.ipu.ac.in
4	"	JamiaMiliaIslamia (JMI)	10+2 with PCB 60% + E	4.5 yrs	Entrance Exam	www.jmi.ac.in
5	"	JamiaHamdard	10+2 with	4.5 yrs	Entrance	www.jamiahamdard.edu

			PCB 60% + E		Exam	
6	Bachelor of Occupational Therapy (B.O.T)	Pt. DeenDayalUpadhyay Institute of Physically Handicapped (DU)	10+2 with PCBE 50%	4.5 yrs	Entrance Exam	<a href="http://www.iphnewdelhi.in">www.iphnewdelhi.in</a>
7	Bachelor of Prosthetics & Orthotics	Pt. DeenDayalUpadhyay Institute of Physically Handicapped (DU)	10+2 with PCBE/PCME 50%	4.5 yrs	Entrance Exam	<a href="http://www.iphnewdelhi.in">www.iphnewdelhi.in</a>
8	"	GGSIPU	10+2 with PCB 50% + E	4.5 yrs	Entrance Exam (CET)	<a href="http://www.ipu.ac.in">www.ipu.ac.in</a>
9	Diploma in Ophthalmic Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>

\*This list is only indicative. There are many private/missionary/trust-run institutes offering education.



### PARAMEDICAL COURSES – PART III

**Pharmacy** – A pharmacist is concerned with production of pharmaceutical products, development of the methods of production and quality control. They also deliver medicines as per the prescription given by a doctor and give instructions regarding the mode of consumption of medicine.

**Medical Lab technology** – A lab technician handles tissue and fluid samples and analyses them. Besides this, there are some other specialised fields in which training is given to technicians.

These include –

Radiography (imaging techniques like X-ray, MRI, CT, Ultrasound, etc.)

Radiotherapy (radiation treatment)

Anaesthesia Technology

Medical Record Technology

Electrophysiology and Pulmonary Technology

Dialysis Technology

Diabetic Education and Podiatry Technology

The training in these fields is available at degree/diploma level. Details of training facilities available at Delhi are given below-

S.No.	Name of the Course	Name of the Institute/University	Eligibility	Duration	Mode of Entry	Website
1	Bachelor in Pharmacy (B.Pharma)	Delhi Institute of Pharmaceutical Sciences & Research (DU)	10 + 2 with PCB 60%	4 yrs	Merit	www.dipsar.ac.in
2	Diploma in Pharmacy (D.Pharma)	Delhi Institute of Pharmaceutical Sciences & Research (DU)	10 + 2 with PCB/PCM 60%	2 yrs	Merit	www.dipsar.ac.in
3	"	Directorate of Training & Technical Education (Polytechnics)	10 + 2 with PCB/PCM 45% + E	2 yrs	Entrance Exam	www.cetdelhi.nic.in & www.cetdelhiexam.nic.in
4	B.Sc. (Hons) Optometry	AIIMS	10 + 2 PCEB/M 50%	4 yrs	Entrance Exam	www.aiims.edu

5	B.Sc. (Hons) Medical Technology in Radiography	AIIMS	10 + 2 PCEB/M 50%	3 yrs	Entrance Exam	<a href="http://www.aiims.edu">www.aiims.edu</a>
6	B.Sc. (Hons) Medical Technology in Radiography	GTB Hospital (UCMS)	10 + 2 PCEB/M 50%	3 yrs	Entrance Exam	<a href="http://www.ucms.edu.in">www.ucms.edu.in</a>
7	B.Sc. Medical Technology (Radiotherapy Technology RT)	GGSIU	10 + 2 PCB 55% + E	3 yrs	Entrance Exam (CET)	<a href="http://www.ipu.ac.in">www.ipu.ac.in</a>
8	Bachelor of Science (Medical Lab. Technology)	GGSIU	10 + 2 PCB 50% + E	3 yrs	Entrance Exam (CET)	<a href="http://www.ipu.ac.in">www.ipu.ac.in</a>
9	Diploma in Medical Laboratory Technology	Dept. of Training and Technical Education (Polytechnics)	10 pass 35% with Sc, Math and Eng	3 yrs	Entrance Exam (Board of Tech Edu CET)	<a href="http://www.cetdelhi.nic.in">www.cetdelhi.nic.in</a> & <a href="http://www.cetdelhiexam.nic.in">www.cetdelhiexam.nic.in</a>
10	"	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>
11	Diploma in RadioDiagnos- tics Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>
12	Diploma in Anaesthesia Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>
13	Diploma in Medical Record Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>

14	Diploma in Electrophysiology & Pulmonary Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>
15	Diploma in Dialysis Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>
16	Diploma in Diabetic Education & Podiatry Technology	St. Stephens Hospital	10 + 2 PCBE	2 to 2.5 yrs	Entrance Exam + Interview	<a href="http://www.ststephenshospital.org">www.ststephenshospital.org</a>

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TECHNOLOGY**