



Career in  
**PARAMEDICAL**



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**O.T. TECHNICIAN**  
**LAB TECHNICIAN**  
**ECG TECHNICIAN**  
**X-RAY TECHNICIAN**

BROUCHER



“ *A group stands for humanism, for tolerance, for reason, for progress, for the adventure of ideas and for the search of truth. It stands for the onward march of the human race towards even higher objectives. If the group discharges their duty adequately, then it is well with the nation and the people.*

*Pt. Jawahar Lal Nehru*”



## Director's Message

I feel pleasure in extending a very warm welcome on behalf of the Board of Governors as well as the whole MPC family to the new aspirants seeking admission in this institute, for structuring their career in Paramedical Sciences. We have clearly laid down our vision, mission and values and efforts shall be made to utilize the infrastructural facilities and intellectual capital to achieve these goals and values. It shall be our endeavour to prepare paramedics with a sound educational programme so that they may serve the institutions & patients with extra care and meet the basic health needs of the community.

We are conscious of the changing needs of society, hence, we shall emphasize on imparting education and training to the students beyond the prescribed syllabus to make them good human beings & professionals also. The curriculum will be flexible enough to keep pace with changes that take place from time to time in the field of patient care and paramedical Sciences.

We live and work together as a family unit and hope that your stay with us will be more comfortable, fruitful and memorable.

**Dr. Hemraj Khorwal**

**VALUES :** • Integrity • Excellence • Fairness • Innovativeness





### Principal's Message

If you are willing and keen, if you display courage and dash to absorb the right knowledge and develop the right personality, you will undoubtedly win. We are working to provide quality education in Rajasthan. What place should ethics find in their curriculum? I want to tell our teaching staff and students that we are losing our Indian values and ethical standard. In the words of famous thinker: "politics without principles, education without character, science without humanity, commerce without morality, are not only useless, but also positively dangerous."

It is essential that every student should learn and practice the basic ethical principles for the blossoming of their true nature. The primary obligation is to recognize the divinity that is present in each of them. In the olden senses, observances of the accepted code of discipline are the hallmarks of a cultured man.

I always believe that success is what all of us aspire for, and the responsibility to mentor the young students lies on the guardians and the institution. Success has to be earned and it demands sustained hard work, discipline and faith. The students should possess if need be, develop independent thinking and decision making skills. They should also have clear career oriented vision and set goals for their life which should help them build a strong foundation for a bright future. Though we have made various endeavors all round the year to fulfill this academic and creative.

In the end, I assure all the students that they will get quality education in Manas Paramedical College by our learned, experienced and dedicated faculty members. Wishing you all a grand success.

**Dr. Kavita Khorwal**

**"Care for one... that's Love Care for hundred... that's Paramedic"**

### Courses Offered

- Diploma in Medical Laboratory Technology (DMLT)
- Diploma in Radiation Technology (DRT)
- Diploma in Operation Theatre Technology (DOTT)
- Diploma in Electro Cardio Gram (DECG)

### Teaching Faculty



Our college is overwhelmingly rich with qualified faculty who are young experts in their respective fields and well supported by experience. Our faculty is driven by the philosophy of knowing as to which resources are to be blended and in which proportion to mould each student's individual capacities to the optimum level. We are fully aware that high quality teaching plays a key role in inculcating a stance towards life-long learning. We impress upon the faculty members to be friend, philosopher, guide, counsellor and consultant of the students, besides the student-teacher classroom relationship. Moreover, they have been motivated to act as facilitators rather than disseminators and as such, they always upgrade their knowledge by learning through Seminars, Workshops, Quality improvement programmes and research activities.

## Objectives of Paramedical Course

- Producing competent Paramedics who may meet the challenges in the field of Medicine.
- Updating the Paramedics with the global advancements in Science and Technology.
- Making the students recognise their ability for assuming various positions in professional organisations.
- Developing the sense of responsibility to participate in community services.
- Enhancing the knowledge of the students.
- Developing the overall personality, competence and ability of the students.
- Making trained and most skilled personnels to handle and take care of modern medical equipments.
- Efforts to accommodate our most skilled and efficient products in this institute.

## PROGRAMME

### Goal of the Programme

Programme has been designed taking into account all aspects related to health care, patient care, teaching and research. The goal of the programme is to produce high class paramedics who are aware & sensitive to health needs of the country and are capable to participate in preventive & rehabilitated aspects of the diseases & to educate the persons in the society and to keep abreast themselves with the continuing medical education.

### Eligibility

For candidates in the Unreserved category (UR) and Economically Weaker Section (EWS), the minimum qualifying marks in this qualifying Senior Secondary examination must be 45%, while for candidates in Other Backward Classes (OBC), Extremely Backward Classes (MBC), Scheduled Castes (SC), Scheduled Tribes (ST), and Sahariya category, the minimum qualifying marks must be 40%. The candidate should have completed 17 years of age on 31st December of the year in which admission sought. No maximum age limit for admission. It is mandatory for the candidate to pass the (10+2) Senior Secondary examination.

### Selection Criteria

The students for the programme will be selected on the basis of the merit of 10+2 examination and the seat will be allotted by Counseling which is conducted by Rajasthan Paramedical Counsel.

## Course Curriculum

### • Diploma in Medical Laboratory Technology (DMLT)

#### Ist Year

Paper I	: Communication Skills in English
Paper II	: Computer Application
Paper III	: Anatomy and Physiology
Paper IV	: Hematology and Blood Banking
Paper V	: Clinical Pathology

#### Practical

- Clinical Practical Training
- MLT Instruments Practice Lab-1
- Hospital Industrial Training

#### 2nd Year

Paper I	: Entrepreneurship & Professional
Paper II	: Management Environment Studies
Paper III	: Microbiology Including Parasitology and Immunology
Paper IV	: Pathology
Paper V	: Biochemistry

#### Practical

- Clinical Practical Training - II
- MLT Instruments Practice Lab-II
- Hospital Industrial Training

### • Diploma in Radiation Technology (DRT)

#### Ist Year

Paper I	: Radiological Anatomy, Physiology & Pathology
Paper II	: Radiological Physics
Paper III	: Radiography - 1 (Gen)
Paper IV	: Dark Room Procedures
Paper V	: Clinical & Instrumental Skill Lab -1

#### 2nd Year

Paper I	: Radiography 2nd Special
Paper II	: Basic Principal of Radiotherapy, Radiation Hazards & Protection
Paper III	: Recent Advances
Paper IV	: Patient Care & Hospital Management
Paper V	: Clinical & Instrumental Practice Lab -II

#### Practical

RT-PRS	: Sessional Assessment (PRS)
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#### Practical

RT-PRS	: Sessional Assessment (PRS)
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## Course Curriculum

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- **Diploma in Operation Theatre Technology (DOTT)**

### Ist Year

- Paper I : Anatomy, Physiology  
Paper II : Computer & Communication Skills  
Paper III : Bio Chemistry & Pathology, Micro Biology  
Paper IV : Basic Obstetrics and Gynecology  
Paper V : General Principal of Hospital Practice and Patient Care

### **Practical**

- Paper I : Anatomy, Physiology  
Paper II : Bio Chemistry & Pathology, Micro Biology  
Paper III : Basic Obstetrics and Gynecology  
Paper IV : O.T. Instruments & Technique  
Paper V : Hospital Training 45 Days after final Examination

### 2nd Year

- Paper I : Entrepreneurship & Professional Management  
Paper II : Environmental & Bio Medical Waste Management  
Paper III : Patients Care Education and Intensive Care Unit  
Paper IV : Introduction to Anesthesia Technology  
Paper V : Basic Anesthesia Technology  
Applied Anesthesia Technology

### **Practical**

- Paper I : Patient Care Education and Intensive Care Unit  
Paper II : Introduction to Anesthesia Technology  
Paper III : Basic Anesthesia Technology  
Paper IV : Applied Anesthesia Technology  
Paper V : O.T. Instruments & Technology  
Hospital Training 45 Days after final Examination

## Course Curriculum

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- **Diploma in Electro Cardio Gram (DECG)**

### Ist Year

- Paper I : Communication Skills in English  
Paper II : Computer Application  
Paper III : Human Anatomy & Physiology  
Paper IV : Clinical Cardiology  
Paper V : Pathology & Terminology  
Paper VI : ECG Instrument & Maintenance  
Paper VII : Hospital Training or 45 Days (After the Final Exam.)

### 2nd Year

- Paper I : Pharmacology  
Paper II : Electrocardiography & Techniques  
Paper III : Electricity & Electrocardiogram  
Paper IV : General Principal of Hospital Practice and Patient Care  
Paper V : Hospital Training or 45 Days (After the Final Exam.)

## Required Documents To Be Attached

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1. Secondary class mark sheet and passing certificate.
2. Higher Secondary 10+2 (Senior Secondary) class mark sheet (PCB/PCM and English compulsory) and passing certificate
3. Migration Certificate from where the last education was received.
4. Caste Certificate (if applicable)
5. Domicile certificate
6. Special Domicile Certificate (if applicable)
7. Disability Certificate (if applicable)
8. Widow Divorcee Certificate (if applicable)
9. Ex-Serviceman Certificate (if applicable)
10. Minority Certificate (if applicable)
11. Aadhar Card/Janadhar Card or any other photo identity card issued by the State/Central Government.



## Campus Amenities



**Computer Centre** - State-of-art Computer Centre is equipped with latest computers, networked on LAN and have core 2 duo Intel Processors, 1GB memory, 80/160 GB Hard drive with 15" LCD colour monitors. The Computer Centre has 24 hrs. Internet Connectivity & is equipped with facilities such as - scanner, Laser, Dot & Inkjet Printers. All students are given a personal computer account, email address & network drive. Computer Centre is open round the clock.



**Sports and Gym Facilities** - The Institute provides facilities to students to pursue a wide range of sports (indoor and outdoor) activities on the campus. The outdoor facilities include athletics, hockey, football and cricket fields; basketball, volleyball, tennis and badminton courts and an indoor recreation hall for table tennis, chess, carrom etc. Other than this a modern Gym is also available for students and staff to keep fit.



**Library** - Library is a vital resource and it serves as a nerve centre for all academic and intellectual student pursuit. A rich collection of carefully selected books in all areas are a part of our impressive library. The library in its self-stock has books from national and international authors; National and Foreign Journals and Periodicals; video cassettes, audio cassettes and national newspapers. The Library houses and Audio - Visual lab where students can view from the collection of videos and microfilms. Book Bank facility is also available whereby students can get books on loan for whole semester. Library provides a very healthy environment for reading and consulting. Photocopier facility is also available at a very concessional rate.



**Transport** - The Institute provides a regular transport services between campus and the city. Institute buses are available to the students and faculty members for commuting from various points in the city to the Institute and back.

**Cafeteria & Food Court** - The institute provides a separate Food Court for the students and staff to enjoy healthy and Hygenic Indian, Chinese, South Indian dishes.

## IMPORTANT INSTRUCTIONS!

- Ragging is completely forbidden and is punishable as per the order of Hon'ble Supreme Court of India. Ragging is punishable offence under Law As per the order of Hon'ble Supreme Court, State Government and Rajasthan Technical University ragging has been declared illegal and is completely prohibited and banned. any student caught or informed by victim student or his parents/guardians, an F.I.R. will be lodged against the student involved in ragging.  
**The following action will be taken :**
  - Registration of F.I.R. against student involved in ragging.
  - Immediate expulsion from the college/hostel.
  - Every victim or his/her parents/guardians of raging can also file an F.I.R. directly with the police.**The college has taken following steps :**
  - A proctorial board has been constituted.
  - An anti-ragging cell has been set up.
  - A standing committee has been constituted.So, keep away from any activity amounting to any kind of Ragging.
- Timing** – Timings are from 8.00 AM to 2.00 PM. Students are not permitted to enter the institute campus after 8.15 AM and not allowed to leave the campus before 2.00 PM.
- Badge** – Each student will be provided with an identification badge with his / her photo and name as well as other details on it. The students have to compulsorily wear ID badges inside the campus and in institute buses. Without ID badges they are not allowed to enter the campus. ID badges has to be worn by the students during visit to other institutes / universities for participating in sports, cultural and other academic activities.
- Dress Code** – All the students should wear dress code prescribed by the College.
- Student Counsellors** – Every 10 students will be having a counsellor who will be responsible for all the academic activities of the student. Counsellors would guide the students with regard to their academic problems as well as to their attendance and its record.
- All requisition letters like leave letter, medical certificates permission, should be addressed to the Principal.
- All requisition applications for Bonafide certificates, scholarship form should be addressed to the Principal. The Trust scholarship form should be addressed to the Managing Trustee.
- Keeping and using cellular phones other than provided by the Trust is strictly prohibited inside the campus, hostel and in duty/teaching hours.
- Smoking, chewing of tobacco, the use of other intoxicants & spitting are strictly prohibited inside the campus.
- Parents are requested to keep a close watch on the attendance and progress of their wards. They are welcome to meet the Principal only between 12.00 Noon to 1.00 PM.
- Fee deposited will not be refunded in any circumstances.
- Security money will be refund only after successful completion of the programe.
- Security money will not be returned in the following conditions :
  - If any student found indulged in any indiscipline activity or violation of rules & regulations of the College, he may be allowed to continue his/her study but security money may be forfeited.
  - In case of withdrawal of his/her admission either from the course of compulsory Internship his/her security money will be forfeited.