

INFORMATION BROCHURE

ENTRANCE TEST : 2010

UNIVERSITY INSTITUTE OF PARAMEDICAL SCIENCES (UIPMS)

Academic Programmes

Bachelor of Physiotherapy (B.P.T.)

B.Sc. in Medical Laboratory Technology (B.Sc. M.L.T.)

B.Sc. in Human Nutrition

B.Sc. in Health Information Administration



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THE INSTITUTE

University Institute of Paramedical Sciences (UIPMS) C.S.J.M. University, Kanpur is one of the constituents of the University residential institutes located within the university campus which has a lush green area of about 265 acres. It has been setup in recognition to the ever increasing demands of Paramedical professionals.

PHYSIOTHERAPY PROGRAMME

The study of Physiotherapy has emerged as an area of specialized study programme.

A physiotherapist has finally emerged out of the shadows of a measure and is now an integral and important part of all Orthopaedic, Trauma, surgical and Neurological teams. He/she is responsible for the restoration of normal body function after trauma, surgery or degenerative joint and muscle disease, thereby improving quality of life. To effectively achieve this he/she uses combination of manual therapy, movement training, physical and electro physical agents.

The institute has well qualified and experienced faculty who are eminent specialists in their academic fields. They not only impart academics but also guide the student in their quest for excellence. The core faculty is effectively supplemented by visiting faculty who bring with them vast teaching experience. Many guest faculty from G.S.V.M. Medical College, Kanpur also conduct special lecture series. **The students of Physiotherapy are going to the Dept. of Anatomy, Medicine, Surgery and Orthopaedic, GS.V.M. Medical College, Kanpur for laboratory and clinical training.**

SUBJECTS:

The subjects that are taught in the academic programme include Human Anatomy, Human Physiology, Clinical Biochemistry, Nursing, Psychology, Pathology, Pharmacology, Orthopaedics, General Medicine, General Surgery, Kinesiology, Exercise Therapy, Electrotherapy, Rehabilitation Medicine, Computer skills and their interdisciplinary practical applications.

LABORATORIES:

Excellent and very well equipped laboratories have been set up for the study of Anatomy, Physiology, Kinesiology, Exercise Therapy, and Electrotherapy. The equipments are the latest and of ISO certification. The physiotherapy equipments include Laser Unit, Treadmill, TENS (2 & 4 channels), Short Wave Diathermy (Continuous & Pulsed) Unit, Ultra Sound treatment unit, Body Composition Analyser, Muscle Stimulators, Contrast Bath, Physio Cold Unit. **The latest additions are ISOKINETIC DEVICE, upper Limbs Ergometry, Balance trainer, EMG Biofeed back Pulmonary function test unit and combined electrotherapy unit.**

The Institute runs a well attended out patient department.

For the clinical training the students have been going to the Out patient and Inpatient departments of G.S.V.M. Medical College, Kanpur where they get valuable clinical exposure under supervision of eminent clinicians and physiotherapists.

Physiotherapy programme

| S.No. | Course Title | Course Code | Duration in Years | Intake |
|-------|---------------------------|-------------|----------------------------------|--------|
| 1. | Bachelor of Physiotherapy | BPT | 4 years + 6 months of internship | 60 |

Library:

There is a separate library section for the University Institute of Paramedical Sciences in the digitalized Central library having specialized books & journals.

Physiotherapy Programme:

SCOPE:

The scope for a physiotherapist is very bright. A physiotherapist has many career options. He/she can opt for higher academic programme like MPT in a number of subjects like sports, Rehabilitation, Orthopaedics, Neurology, Cardiothoracic and later take up teaching jobs. A physiotherapist has excellent job prospects in India and abroad in hospitals, rehabilitation centres, sports centres and sporting team etc. One of our ex faculty accompanied the Indian contingent for DOHA Asian Games.

PLACEMENT :

Who have graduated are well placed either in service or private practice and are doing very well professionally.

B.Sc. in MEDICAL LABORATORY TECHNOLOGY

Education & health care are two fields that have seen tremendous advancements in the recent past. There is demand for professionally trained personnel in the large and ever growing field of Medical Laboratory Technology.

India also is witnessing a growing demand for trained professionals with hospitals and nursing homes, looking towards institutions to provide them with the necessary personnel. Employment opportunities are therefore available in plenty. He/she will find ready employment in all types of pathology diagnostic centers both in government and private sector. What is needed, is to make concerted efforts to provide with required training to take on the challenging world of health care.

It is with this aim that the University Institute of Paramedical Sciences C.S.J.M University has developed the M.L.T. Programme. This course aims at developing competence and providing students with facilities for quality education, complete laboratory training and clinical exposure. The institute has well equipped high technology, laboratories and well qualified faculty who not only impart academics but also guide students in their quest for excellence.

Medical Laboratory Technology Programme

| S.No. | Course title | Course code | Duration in years | In take |
|--------------|-------------------------------------|--------------------|--------------------------|----------------|
| 1 | B.Sc. Medical Laboratory Technology | BMLT | 3 years | 60 |

Medical Laboratory Technology

The Medical Laboratory Technology Programme was developed 5 years ago by C.S.J.M. University. Now all the laboratories are well equipped & fully functional. After gaining quality education, training & clinical exposure in our institution, graduates will be able to take up jobs in hospitals and diagnostic centers. They will be capable of independently managing diagnostic units. To enable students to gain perfect understanding of diagnostic laboratory tests and other tools, programme equips candidates with necessary skills required to handle laboratory equipments & perform accurate pathological tests.

Objectives:

The program equips the candidate to be competent professional in M.L.T. and have a rewarding career. The syllabus is relevant to needs of the health sector.

Laboratories

For MLT education, the laboratories are the core work places. Special emphasis has been laid in developing laboratories and UIPMS has have all the equipments related with the medical laboratory technology programme. For clinical training students of M.L.T are going to the Dept. of Pathology, Microbiology and Blood Banking G.S.V.M. Medical College, Kanpur for learning under supervision of Eminent clinicians.

Library

There is a separate library section for the UIPMS in the digitalised Central library and there are specialized books & journals.

Computers:

Computer has become an integral part of our lives. In our Institute, MLT students gain all the training about report generations and also the handling of computerized medical equipments.

Career:

Job prospects are very good not only in India but also abroad. One can get opportunity to work in:

- Pathology Laboratories
- Research Institutions
- Pharmaceutical Industries
- Setting up own Pathology Lab under supervision of a Pathologist

There is a placement and training cell to assist students in their training in different hospital and institutions. All the students who have graduated are well placed in laboratories and diagnostic centers.

Programme structure

B.Sc. (MLT) Full Time.

| | |
|---|--|
| Ist year <ol style="list-style-type: none">1. Fundamentals of Anatomy & Physiology.2. Hematology & Basic Principles of organization of Pathology Laboratory.3. Clinical Pathology, Laboratory Instruments & Basics of Biochemistry.4. General Pathology & General Microbiology. | IInd year <ol style="list-style-type: none">1. Blood Bank Procedures & Hemoglobinopathies.2. Endocrinology & Tumor Markers.3. Clinical Biochemistry.4. Immunology, Serology & Parasitology. |
| III year <ol style="list-style-type: none">1. Histotechnology & Cytotechnology.2. Coagulation Studies.3. Systemic Bacteriology, Mycology & Virology.4. Laboratory Management, Quality Control & Automation. | |

B.Sc. IN HUMAN NUTRITION

This Bachelor's degree equips the candidate with the basic knowledge required by the student to enable them to work as nutritionist/dietician.

Recently the role of the nutritionist has become extremely vital in management of certain diseases like Diabetes Mellitus, Hypertension, Obesity, Malnutrition, especially in childhood and all other endocrinological disorders. They also have an important role to play in the dietary management of both out patients and in patients department of any large Hospital. They can also start their own professional practices. There is a growing demand of such qualified personnel keeping in view the rising trends in the incidence of cardiovascular and metabolic disorders, and other nutritional disorders, especially obesity.

Objectives:

The program equips the candidates to upgrade the knowledge and skills in Human Nutrition for rewarding career. The syllabus is relevant to the needs of the health sector.

| S.No. | Course | Course Code | Duration in Years | Intake |
|-------|-----------------------|-------------|-------------------|--------|
| 1 | B.Sc. Human Nutrition | BHN | 3 years | 40 |

Career:

The candidates will find ready employment in Hospitals of Government and Corporate Sectors as a

- o Dietician
- o Nutritional Consultant

Programme Structure:

B.Sc. in Human Nutrition

| I Years | II Year |
|---|--|
| <ol style="list-style-type: none">1. Basic Nutrition2. Human Physiology3. Nutritional Biochemistry4. Family Meal Management5. Summer Training | <ol style="list-style-type: none">1. Basic Dietetics2. Food Microbiology3. Food Science4. Personnel Management5. Summer Training |
| III Year | |
| <ol style="list-style-type: none">1. Community Nutrition2. Advance Dietetics3. Dietetics & Counseling4. Project Work | |

B.Sc. in Health Information Administration

The primary focus of the programme is on development, establishment and management of Health Information coding, Medical Transcription and Health Insurance related services. This course is offered to candidates from any discipline and gives an opportunity to students from disciplines other than science to pursue a career in Health Care system.

Graduates will be able to take up employment in diverse Health Care Organizations, Health Insurance firms etc. They will be able to independently manage Out Patient Services and other Units, providing documentation services.

Objectives

The students learn to interpret and prepare documents necessary in routine health care practices. This degree equips the candidates with required skill to prepare medical and medico-legal documents which are an integral part of Hospital Management.

This program equips the candidates with the basic knowledge and skill in Health Information Systems for successful career.

Laboratories and Clinical Training:

The Institute already has excellent and very well equipped laboratories for the study of Anatomy and Physiology, Biochemistry, Pathology and Microbiology.

For clinical Training and exposure to Hospital Administration, Hospital Organization and Management and Medical Record, student have visited Medical College, Kanpur, where they got valuable clinical exposure under the supervision of eminent clinicians and health administrators. They also visited all the clinical laboratories and out patient department of the institute.

| S.No | Course Title | Course Code | Duration in year | Intake |
|-------------|--|--------------------|-------------------------|---------------|
| 1 | B.Sc. in Health Information Administration | BHIA | 3 years | 40 |

Career:

The candidates will find ready employment in Hospitals of Government and Corporate Sectors and get International and National opportunity as -

- o **Medical Record Officer**
- o **Health Information Administration**
- o **Health Information Auditors**
- o **Health Insurance Managers**
- o **Medical Transcriptionists**
- o **Editors/Quality Analysts (MT)**

PROGRAMME STRUCTURE:

B.Sc. Health Information Administration

| I year | II year |
|---|---|
| <ol style="list-style-type: none">1. Fundamentals of Anatomy Physiology, Biochemistry2. Pathology, Microbiology, Forensic Medicine & Medical Ethics3. Medical Terminology | <ol style="list-style-type: none">1. Biostatistics2. Hospital Organization & Management Epidemiology & Preventive Strategies3. Medical Record Science |
| III Year | |
| <ol style="list-style-type: none">1. Hospital Administration, Public Relation & Accountancy Practical. Introduction to various departments of Hospital2. Managing out patient & medical record departments, miscellaneous sections3. Medical Transaction, Analysis of Health Information Data4. Project Work | |

ELIGIBILITY CONDITIONS FOR ADMISSION

1.1 Academic Qualification/Eligibility Criteria

- 1.1.a. The minimum qualification for programmes of Bachelor of Physiotherapy and Medical Laboratory technology is to pass in science stream examination with minimum of 50% marks in Physics, Chemistry and Biology (45% for SC/ST).
- 1.1.b. The minimum qualification for academic programmes of B.Sc. in Human Nutrition (B.Sc.HN) is to pass 10+2 in science (Biology/Math) or 10+2 with Home Science with minimum of 45% marks (40% for SC/ST)
- 1.1.c. The minimum qualification of academic programmes of BSc. in Health Information Administration (BSc.HIA) is to pass 10+2 in Science/ Arts/Commerce (any discipline) with minimum of 45% marks (40% for SC/ST).

1.2 Reservation:

- (i) As per Uttar Pradesh Government Rules.
- (ii) Reserved category students must attach their attested true copy of reservation certificate with the application form.

1.3 Date of Birth:

Date of birth as recorded in the High School/Secondary Education Board/University certificate/other equivalent board/council only will be considered acceptable.

1.4 Physical Fitness:

It is essential that the candidate possesses good general physique, normal vision and hearing. There should be no abnormality in heart and lungs and no history of mental disease or epileptic fits. It is advised that the applicant gets himself/herself medically examined to ensure the requisite medical standards, before submitting his/her application.

1.5 Certificate required

All relevant original certificates shall be required at the time of counselling.

2. Admission Procedure:

- a. Admission to the academic programme will be made through an entrance test.

2.1 Details of Entrance Test:

- i) The paper will contain only objective type questions.
- ii) **Group-A:** There will be one paper containing a total of 100 questions given in three sections. Section A will contain 50 questions (**25 each from Zoology and Botany**), Section B will contain 25 questions from Chemistry and Section C will contain 25 questions from Physics.
- iii) **Group-B :** There will be one paper containing a total of 100 questions given in three sections. Section A will contain 50 questions from **Maths/Commerce/Home**

Science/Arts, Section B will contain 25 questions from General English and Section C will contain 25 questions from General Knowledge.

- iv) **Both** : Candidates having minimum qualification for **Group A** can also apply for **Group B**. Such candidates will have to appear separately for Group A and Group B Examinations.
- v) 4 Marks will be awarded for every correct answer.
- vi) **Syllabus of Entrance Examination:**
The syllabi of Biology (Zoology + Botany), Chemistry, Physics, Maths/ Commerce/ Home Science/Arts will be as per 10+2 Syllabus.

2.2 Selection and Counselling

- (i) The counselling schedule of the students selected will be published in the leading news papers.
- (ii) Classes for the 2010-batch of students will commence from August, 2010.
- (iii) A merit list of the candidates is prepared on the basis of the total marks obtained in Biology, Physics and Chemistry. If total marks obtained are equal, better rank is given to the one who obtains more marks in Bio. If the total marks as well as marks obtained in the Bio are same, better rank is given to the one who obtains more marks in Chemistry. If the marks obtained in all the three subjects are the same then equal rank is assigned to the candidates.
- (iv) At the time of counselling, candidates will be allotted seats, caste and category wise strictly in order of merit. Merit is based solely on the basis of entrance examination and there are no marks assigned for counselling. Candidates not allotted seat in the first preference can opt for a seat in their second preference against vacant seats, if any.
- (v) If a candidate is absent at the time of his/her merit call, he/she will lose the chance of selection /choice of seat.
- (vi) ST vacant seats shall be transferred to SC category and SC vacant seats shall be transferred to OBC category.

2.3 Admission form and Fee:

Selected candidates desirous to join the academic Programmes of the University shall be required to fill up an admission form at the time of their reporting and to deposit the fees as per directive from AICTE/State Government/ University Body/Supreme Court.

Fee structure for the entrants of the year 2010

(Para Medical Science Programme)

| | | |
|------------------|----------------------|--|
| Counselling Fee | Rs. 500.00 | (for first year only) |
| Caution money | Rs. 2500.00 . | (for first year only) |
| Tuition Fee | Rs. 35000.00 | (for BPT, BMLT, B.Sc. HN & B.Sc. HIA Per year) |
| Examination fee | Rs. 2500.00 | |
| Total Fee | Rs. 40,500.00 | (for BPT, BMLT per year, B.Sc. in H.N. & B.Sc. in HIA) |

Fee structure is and as per Judgment of Hon'ble Supreme Court, and it shall be subject to decision of committee headed by retired judge of Hon'ble High Court.

2.4 Hostel facility:

Limited hostel facility is available in the university campus for girls and boys separately.