

Ordinance No. 22

**BACHELOR OF PHYSIOTHERAPY (BPT)
04 YEAR DEGREE COURSE**

1.0 AIMS AND OBJECTIVES

1.1 AIMS

- 1.1.1 Acquisition of adequate theoretical and the practical knowledge and foundation in the basic Pre-clinical, Para-clinical and clinical medical subjects.
- 1.1.2 Proficiency in the diagnosis and skills of basic physiotherapy procedures and techniques with adequate theoretical basis and rationale of allied sciences.'
- 1.1.3 To detect and evaluate the anatomical, patho-physiological impairments, resulting in dysfunction of various age groups & occupation; as well as epidemiological features in the population & arrive at appropriate diagnosis.
- 1.1.4 To understand the rationale & basic investigative approach to the medical system and surgical intervention regimens & accordingly plan & implement specific Physiotherapeutic measures effectively.
- 1.1.5 To practice Professional Autonomy& Ethical principles with referral as well as first contact clients in conformity with ethical code for Physiotherapists.

1.1.6 To practice Moral and Ethical values and Evidence Based Practices with regard to Physiotherapy.

1.2 OBJECTIVES

The Objective of the course which is complementary to medicine shall be to allow the students.

1.2.1 To acquire adequate theoretical & practical knowledge in the basic medical subjects.

1.2.2 To impart Electrotherapy & Therapeutic Exercise procedures with adequate theoretical & practical base.

1.2.3 To enable the student to acquire skills in the evaluation & diagnosis of the physical problems presented by the patients.

1.2.4 To build up a learning process that shall include living experience, problem oriented approach, case studies & community health care activities.

1.2.5 To impart competency in Physiotherapeutic measure of specific choice towards Preventive, Curative, Symptomatic & Restorative or Rehabilitative goals in a variety of health care settings.

1.2.6 To develop professional autonomy through independent physical diagnosis and prescription as a physiotherapist for all physiotherapy related referrals and/ or primary clients.

1.2.7 To endorse physiotherapeutic moral and ethical codes as per international standards and to emphasis on the conduct of professional practice for patient's welfare as the primary responsibility.

1.2.8 To develop confidence in clinical, teaching and administrative assignments and continue to seek further knowledge in the fields of physiotherapy.

1.2.9 To introduce the students to the fundamentals of Biostatistics & Physiotherapy Research activities.

1.2.10 To teach every aspect of National policies on health and devote himself/ herself to its practical implementation.

2.0 COURSE STURCTURE

2.1 The Degree in Physiotherapy of 04 years (Four academic years and Six months internship) course here in after called 04 years degree course shall be designated as Bachelor of Physiotherapy, in short BPT.

2.2 Duration of the course: The Bachelor of Physiotherapy (BPT) is a Four & Half year (including internship) regular degree course, named below:

- i. BPT-1 year
- ii. BPT- II year
- iii. BPT- III year
- iv. BPT- IV year

After successful completion of BPT IV year, the student shall require to complete six months Compulsory Rotatory Internship Program.

- 2.3 Each academic year shall consist of 240 teaching days.
- 2.4 Compulsory Rotatory Internship shall be not less than 6 months.
- 2.5 The Student admitted in BPT course shall have to complete the course within the maximum permissible duration of 8 years, from the date of admission.

3.0 ACADEMIC QUALIFICATION & SELECTION CRITERIA FOR ADMISSION

- 3.1 Admission to the First year in Bachelor of Physiotherapy degree course shall be 10+2 system of education in science group or equivalent examination with Chemistry, Physics & Biology, as main subjects conducted by a recognized Board/Council/ University with minimum of 50% marks. However for SC/ST/OBC candidate the percentage will be relaxed to 45%.
- 3.2 Vocational Subject like Bio-technology, MLT, Fisheries, Dietetics, Live Stock and Poultry etc in substitution for Biology shall be also considered for Eligibility.
- 3.3 The candidate should have completed minimum of 17 years of age on/before 31st December of the concerned academic session.
- 3.4 Selection Criteria: The admission in BPT- First Year shall be based on the merit of the qualifying examination.

Or

Common Entrance Test (CET), conducted by the University/ any designated agency as per guidelines of Medical Education Dept. Govt. of M.P., Bhopal.

3.5 On admission, every candidate shall have to get fitness certificate from Malwanchal Hospital, for physical fitness.

4.0 COMMENCEMENT OF COURSE

The course shall be commencing from the month of August of every academic year.

5.0 REGULATIONS RELATING TO THE ASSESSMENT OF ACADEMIC GROWTH OF THE STUDENT

The assessment of academic growth of the student shall be done on the basis of Three Sessional Examination (conducted during the year) and one University Examination (conducted at the end of the academic year).

The medium of Instruction and Examination shall be English throughout the course of the study.

5.1 Attendance

5.1.1 Candidates appearing as regular student for any annual examination are required to attend 75% of the total lecturer's delivered and of the practical classes held separately in each subject of the course of the study.

5.1.2 The total lecture and practical shall be conducted as per scheme and syllabus given in subsequent section.

5.2 Sessional Examinations

Three Sessional Examination shall be conducted for each subject, separately for theory and practical.

5.3 Internal Assessment

The internal assessment for each subject (in Theory and Practical separately) of each academic year shall carry 20 marks in theory and 20 marks in practical, separately.

5.4 University Examination; Theory & Practical

5.4. One written Examination

- a. The Main Examination shall be held on yearly basis for all the Four years respectively.
- b. There shall be 2 University Examination in a year: Main examination in May/June and Supplementary Examination in October/November. The succeeding Examination shall be held within 6 months.

5.5 Appointment of the Examiners/ Question Paper Setters

The appointment of examiner for the University Examination shall be based on following criteria;

5.5.1 For Theory paper setting and valuation there shall be two examiners for each subject, one Internal Examiner and one External Examiner shall be required. Both the examiners shall be

Assistant Processor with 3 years teaching experience in the concerned subject.

5.5.2 For the Practical examinations there shall be two examiners for each subject, one External Examiner and one Internal Examiner, with minimum qualification and experience of an Assistant Professor with 3 years teaching experience in the concerned subject.

5.5.3 The External Examiner shall, be the subject expert from outside the University having Masters/ Post Graduate, qualification-in the concerned subject with "minimum 03 years teaching experience.

5.5.4 The Faculty of the Subject/ Head of the Department with minimum 3 years of teaching experience shall be the Internal-Cum-convener examiner for the examinations.

5.6 Criteria for Passing In each subject/head (Theory and Practical);

5.6.1 In all the University examinations, the candidates shall have to obtain 50% marks separately in Theory plus Viva Voce plus internal Assessment and Practical plus Internal Assessment examination.

5.6.2 Each theory-paper and practical will be treated as separate subject/ head for the passing.

5.6.3 The student shall carry over two subjects from one year to the following year and must pass in the fail subject before appearing in the next year examination. The student shall carry two subjects from first year to second year, second year to third year as well as third year to fourth year and must pass in the fail subjects before appearing the next year examination.

5.7 Division and Merit List

5.7.1 The Division shall be awarded after Annual University Examination in each academic year and shall be based on the aggregate marks obtained by the candidates at his/ her successful attempt in annual University Examination.

There shall be Divisions as follows:

Distinction: 75% and above of grand total marks in First attempt.

First Division: >60% and <75% of grand total marks in First attempt.

Second Division: >50% and <60% of grand total marks in First attempt.

Distinction in individual subject: >75% marks in individual subject shall be indicated exclusively in the mark sheet provided in First attempt.

5.7.2 The merit shall be declared by the University after the final year University examination, on the basis of the aggregate marks of all academic years in University examination. The merit list shall include the first ten candidates securing at least First Division and passing

all the appeared subjects in annual examination in first attempt.

6.0 REVALUATION / RE-TOTALING

6.1 Student may apply for Re-evaluation and/or Re-totaling of the answer sheet of the appeared subjects, post result for any doubt in the marks obtained on the following criteria:

6.1.1 Student may go for ail the appeared subjects of that session for Re-evaluation as well as Re-totaling simultaneously, within stipulated time, as prescribed by the University.

7.0 COMPULSORY ROTATARY INTERNSHIP:

7.1 There shall be Six months of Internship after the Final year examination, for the candidate who declared passed the examination in all the subjects. Internship should be Rotating and Compulsory for all the students.

7.2 Internship should be done in minimum 100 bedded specialty hospitals in various specialties.

7.3 Hospital must have Physiotherapy OPD with qualified Physiotherapist to guide the students.

7.4 The Internship shall cover the clinical branches; concerned with Physiotherapy such as Orthopedics, Cardio-respiratory Medicine & Surgery including ICU, Neurology, Neurosurgery, Pediatrics, General Medicine, General Surgery,

Obstetrics and Gynecology both In-patient and Outpatient services.

- 7.5 Student seeking training outside the campus must obtain a NOC from the HOI prior to the program.
- 7.6 Any absenteeism, misconduct, poor performance etc. may require the extension of the program on recommendation of the HOD.
- 7.7 Student shall obtain Internship Completion Certificate from the concerned hospital with the specialty and the hours of program. Same should be submitted to the institute for the Six months Internship Completion Certificate.
- 7.8 Candidate shall be awarded with the Degree certificate only after the successful completion of the Compulsory Six months Rotatory Internship.
- 7.9 The 6 months of Rotational Internship shall be covered in the following pattern:

S.No.	Department	Period
1	Physiotherapy & Rehabilitation Medicine OPD 1 month(including Pediatrics to Geriatrics cases)Orthopedic wards and OPD 1 month	1 month
2	Neurology and Neurosurgery wards(including 1 month Neuro ICU) and O ;	1 month
3	Neurology and Neurosurgery wards(including 1 month Neuro ICU) and O ;	1 month
4	Cardio-respiratory Medicine & Surgery ward and 1 month OPD	1 month
5	General Medicine and Pediatric wards (including 1 Month NICU and ICCU) and OPD	1 month
6	General Surgery wards (including Burns, OBG) 1 Month	1 month

7.10 Issue of Internship Completion Certificate: Every candidate, after successful completion of Six months Rotatory Internship shall be eligible for Internship Completion Certificate, issued by HOI.

8.0 CANCELLATION OF ADMISSION

8.1 The admission of a student at any stage of study shall be cancelled by the Vice Chancellor based on recommendation of Head of the Institution, if:

8.1.1 He/She is not found qualified as per MP Paramedical Council norms and guidelines or the eligibility criteria prescribed by the University.

8.1.2 He/ she is found to have produced false/ forged documents or found to have used unfair means to secure admission.

8.1.3 He/She is found involved in serious breach of discipline in the Institution or in the University campus.

9.0 SCHEME OF COURSE / EXAMINATION

9.1 Scheme of Teaching Schedule (for each academic year)

Subject	Theory Min. Hrs.	Practical Min. Hrs.	Clinical/ Lab Posting	Total Hrs.
FIRST YEAR				
Human Anatomy	140	60	-	200
Human Physiology	140	60	-	200
Bioelectrical modalities	80	-	-	80
Biomechanical	80	-	-	80
Psychology and Sociology	60+60	-	-	120
* Applied English	60	-	-	60
* First aid and Basic Nursing	60	20	-	80
SECOND YEAR				
Biochemistry & Pharmacology	60+60	-	-	120
Pathology & Microbiology	60+60	-	-	120
Gen.surgery/ Obs/ Gyneal/ ENT/ Opth	100	20	30	150
Gen. Medicine	100	20	30	150
Orthopedics	100	20	30	150
Electrotherapy	100	100	-	200
Exercise Therapy including Yoga	100	100	-	200
THIRD YEAR				
Neurology, Neurosurgery, Cardio-thoracic Disease & Surgery	120	20	40	180
Physiotherapy in Orthopedics	120	100	30	250
Physiotherapy in Neurology & Neurosurgery	120	100	30	250
Physical Evaluation	120	80	-	200
Biomechanics & Bio-engineering	60+60	-	-	120
* Occupational Therapy & Speech Therapy	10+10	-	-	20
* Observatory Clinical Posting	-	-	100	100
FOURTH YEAR				
Physical Diagnosis & Prescription	80	40	-	120
Physiotherapy in Cardiothoracic Conditions	120	80	60	260
Sports Physiotherapy	120	80	60	260
Community Medicine, Community PT, Field Visits and Physiotherapy Ethics	60+60	-	40	160
Rehabilitation Therapy & Biostatistics	40+40	-	20	100
* Project	-	-	-	40
* Clinical Posting	-	-	300	300
* Clinical Research Methodology	20	-	-	20
* Computer Sciences	20	40	-	60

* Non Examination (Subsidiary) subjects

9.2 Question Paper Pattern

The subject having section A and section B with max. 100 marks (50 marks each) Each section (A/ B) shall have the following pattern		
ESSAY TYPE	1 (ANY 1 OUT OF 2)	20
SHORT ANSWER TYPE	5 (ANY 5 OUT OF 6)	6X5=30
The subject having section A and section B with max. 80 marks (40 marks each) Each section (A/ B) shall have the following pattern		
ESSAY TYPE	1 (ANY 1 OUT OF 2)	20
SHORT ANSWER TYPE	4 (ANY 4 OUT OF 5)	5X4=20

9.3 Scheme of Examination

BPT-I Year										
S. No.	Subject	Theory					Practical			Total
		Written		Viva-Voce	Internal Assessment	Min. Marks	Practical	Internal Assessment	Min. Marks	
		Time	Max. Marks	Max. Marks	Max. Marks		Max. Marks	Max. Marks		Max. Marks
1.	Human Anatomy	3hrs.	100	20	20	70	40	20	30	200
2.	Human Physiology	3hrs.	100	20	20	70	40	20	30	200
3.	Bioelectrical modalities	3hrs.	80	-	20	50	-	-	-	100
4.	Biomechanical	3hrs.	80	-	20	50	-	-	-	100
5.	Psychology and Sociology	3hrs.	80	-	20	50	-	-	-	100

BPT-II Year										
S. No.	Subject	Theory					Practical			Total
		Written		Viva-Voce	Internal Assessment	Min. Marks	Practical	Internal Assessment	Min. Marks	
		Time	Max. Marks	Max. Marks	Max. Marks		Max. Marks	Max. Marks		Max. Marks
1.	Biochemistry & Pharmacology	3hrs.	80	-	20	50	-	-	-	100
2.	Pathology & Microbiology	3hrs.	80	-	20	50	-	-	-	100
3.	Gen.surgery/ Obs/ Gynea/ ENT/ Opth	3hrs.	80	-	20	50	-	-	-	100
4.	Gen. Medicine	3hrs.	80	-	20	50	-	-	-	100
5.	Orthopedics	3hrs.	100	20	20	70	40	20	30	200
6.	Electrotherapy	3hrs.	100	20	20	70	40	20	30	200
7.	Exercise Therapy including Yoga	3hrs.	100	20	20	70	40	20	30	200

BPT-III Year										
S. No.	Subject	Theory					Practical			Total
		Written		Viva-Voce	Internal Assessment	Min. Marks	Practical	Internal Assessment	Min. Marks	
		Time	Max. Marks	Max. Marks	Max. Marks		Max. Marks	Max. Marks		Max. Marks
1.	Neurology Neurosurgery, Cardio-thoracic Disease & Surgery	3hrs.	80	-	20	50	-	-	-	100
2.	Physiotherapy in Orthopedic	3hrs.	100	20	20	70	40	20	30	200
3.	Physiotherapy in Neurology & Neuro-surgery	3hrs.	100	20	20	70	40	20	30	200
4.	Physical Evaluation	3hrs.	100	20	20	70	40	20	30	200
5.	Biomechanics & Bio-engineering	3hrs.	80	-	20	50	-	-	-	100

BPT-IV Year										
S. No.	Subject	Theory					Practical			Total
		Written		Viva-Voce	Internal Assessment	Min. Marks	Practical	Internal Assessment	Min. Marks	
		Time	Max. Marks	Max. Marks	Max. Marks		Max. Marks	Max. Marks		Max. Marks
1.	Physical Diagnosis & Prescription	3hrs	100	20	20	70	40	20	30	200
2.	Physiotherapy in Cardiothoracic conditions	3hrs	100	20	20	70	40	20	30	200
3.	Sports Physiotherapy	3hrs	100	20	20	70	40	20	30	200
4.	Community medicine, Community PT, Field Visits and Physiotherapy Ethics	3hrs	80	-	20	50	-	-	-	100
5.	Rehabilitation Therapy & Biostatistics	3hrs	80	-	20	50	-	-	-	100

* Minimum 50% passing marks require in theory & internal assessment as well as in practical & viva-voce.