

FACULTY OF PARAMEDICAL SCIENCES



**SWAMI VIVEKANAND SUBHARTI UNIVERSITY
MEERUT 250005 (U.P.) INDIA**

ORDINANCE NO. V (12A)
BACHELOR OF PHYSIOTHERAPY
(BPT) COURSE

Ordinance No. V (12A)

Ordinance Relating to Bachelor of Physiotherapy (BPT) Course

Chapter – 1 General

- 1- This ordinance may be called the “Ordinance Relating to Bachelor of Physiotherapy (BPT) Course”.
- 2- The ordinance shall come into force with immediate effect.
- 3- This supersedes the previous Ordinance relating to Bachelor of Physiotherapy (BPT) Course [V-(12A)].

Chapter – 2 Eligibility for Admission

- 4- (i) The minimum educational qualification for admission in the B.P.T. course is Intermediate (10+2) of U.P. Board or an equivalent from a recognized board/university with Chemistry, Biology, Physics and English as subjects.
(ii) Minimum marks for eligibility in the above subjects in aggregate should be 45% and 40% for SC/ST candidates.
- 5- The minimum age for admission to the BPT course should be as per the norms laid down by Indian Association of Physiotherapist (IAP).
- 6- Eligible applicants may be required to appear at an Entrance Examination conducted by or on behalf of the University.
- 7- **For candidates having 2 years Diploma Holder:**

- 7- a) A candidate having passed class 12th exam with English, Physics, Chemistry, Biology (EPCB) with 45% marks and holding recognized 2 year Diploma in Physiotherapy (DPT) will be eligible for admission in BPT course through lateral entry i.e. 2nd year in BPT.

For candidates having 3 ½ years Diploma Holder:

- 7- b) A candidate having passed class 12th exam with English, Physics, Chemistry, Biology (EPCB) with 45% marks and holding recognized 3 ½ year (3 year + 6 months rotatory Internship) Diploma in Physiotherapy (DPT) will be eligible for admission in BPT course through lateral entry i.e. BPT 4th year. {**For BPT Abridged course (One year Degree course)** as followed & conducted by other Universities such as Magadh University, Bodh Gaya (Bihar) & Jamia Hamdard University, New Delhi}. There shall be relaxation of 5% marks for SC/ST categories candidates.
- 8- a) Admission through lateral entry in 2nd/4th year BPT course shall be made only on remaining vacant seats (i.e. not more than 10% of the total seats) in second/fourth year Bachelor of Physiotherapy (BPT) course.
b) These seats shall be allotted to the students seeking migration/transfer or holding diploma with minimum of 55% marks in aggregate from the state/IAP (India Association of Physiotherapy) recognized institute/college.

c) Such students will not be eligible for any merit or scholarship awarded by college/university.

d) If the no. of candidates for admission through lateral entry are more than the seats available, then the screening of the candidate for admission shall be made on the basis of merit i.e. aggregate marks obtained by the candidate in Diploma in Physiotherapy (DPT).

Chapter – 3 Teaching Course

9- The duration of the BPT course shall be four and a half years, inclusive of six months of Compulsory Rotatory Internship.

9- The academic calendar shall be as follows:

I, II, III and IV year = Session – 1st September to 31st July
Annual Examination = every year in August

11. The following shall be the distribution of teaching hours for the course of study:

FIRST YEAR:

Hours			
Subjects	Theory	Practical	Total
Anatomy	225	125	350
Physiology	225	125	350
Electro Therapy-I	150	200	350
Exercise Therapy-I	150	200	350
Sociology	100	-	100
English (Qualifying)	40	-	40
TOTAL	890	650	1540 hours

SECOND YEAR:

Hours			
Subjects	Theory	Practical	Total
General & Health Psychology	175	-	175
Pathology & Micro Biology	175	-	175
Pharmacology & Biochemistry	175	-	175
Electrotherapy-II	175	200	375
Exercise Therapy-II	175	200	375
TOTAL	875	400	1275 hours

THIRD YEAR:

Subjects	Hours		
	Theory	Practical	Total
General Medicine	175	-	175
General Surgery	175	-	175
Orthopedics	175	-	175
Paediatrics & Geriatrics	175	-	175
Biomechanics & Kinesiology	175	100	275
Physiotherapy Clinical Training		400	400
TOTAL	875	500	1375 hours

Third year students shall undergo clinical training in a recognised Physiotherapy Department for not less than 4 hours per day for a total period of 400 hours during the third year.

FOURTH YEAR:

Subjects	Hours		
	Theory	Practical	Total
Neurology	150	-	150
Research Methodology & Biostatistics	150	-	150
Physiotherapy in Medical condition	200	150	350
Physiotherapy in Surgical condition	200	150	350
<i>Rehabilitation, Organisation, Administration and Physiotherapy Ethics & Law</i>	100	25	125
Computer Application	-	50	50
Fields Visits	-	50	50
Physiotherapy Clinical Training	-	400	400
TOTAL	800	825	1625 hours

Fourth year students shall undergo clinical training in a recognised Physiotherapy Department for not less than 4 hours per day for a total period of 400 hours during the fourth year.

12- The course structure shall be as given below:

First year

	Theory			Practical			Total
	MAXIMUM MARKS			MAXIMUM MARKS			
	Annual	Internal	Total	Annual	Internal	Total	
Anatomy	70	30	100	70	30	100	200
Physiology	70	30	100	70	30	100	200
Electro Therapy (Part-I)	70	30	100	70	30	100	200
Exercise Therapy (Part –I)	70	30	100	70	30	100	200
Sociology	70	30	100	-	-	-	100
*English (Qualifying)	100		100	-	-	-	100
Total Marks			500			400	900

* **Note:** Marks of English subject not to be added in grand total.

Second year

	Theory			Practical			Total
	MAXIMUM MARKS			MAXIMUM MARKS			
	Annual	Internal	Total	Annual	Internal	Total	
General & Health Psychology	70	30	100	-	-	-	100
Pathology & Microbiology	70	30	100	-	-	-	100.
Pharmacology & Biochemistry	70	30	100	-	-	-	100
Electro Therapy (Part-II)	70	30	100	70	30	100	200
Exercise Therapy (Part –II)	70	30	100	70	30	100	200
Total Marks			500			200	700

Third year

	Theory			Practical			Total
	MAXIMUM MARKS			MAXIMUM MARKS			
	Annual	Internal	Total	Annual	Internal	Total	
Gen. Medicine	70	30	100	-	-	-	100
Gen. Surgery	70	30	100	-	-	-	100
Orthopedics	70	30	100	-	-	-	100
Paediatrics	70	30	100	-	-	-	100
& Geriatrics							
Biomechanics	70	30	100	35	15	50	150
& Kinesiology							
Total Marks			500			50	550

Fourth year

	Theory			Practical			Total
	MAXIMUM MARKS			MAXIMUM MARKS			
	Annual	Internal	Total	Annual	Internal	Total	
Neurology	70	30	100	-	-	-	100
Research	70	30	100	-	-	-	100
Methodology & Biostatistics							
Physiotherapy	70	30	100	70	30	100	200
in Medical Conditions							
Physiotherapy	70	30	100	70	30	100	200
in Surgical Conditions							
Rehabilitation, Organisation, 70	30	100	-	-	-	100	100
Administration and Physiotherapy Ethics & Law							
Physiotherapy Clinical Exam -	-	-	150	50	200	200.	200.
Total Marks			500			400	900
INTERNSHIP							300

GRAND TOTAL

3450

13- Internship:

- (i) A student will have to undergo Internship for a period of six months (26 weeks) under the supervision of a senior Physiotherapist in a recognized Physiotherapy Department. The period should also include placement in a rural set up/C.B.R.
- (ii) There will be an Internal Assessment of the clinical performance of the student during the period of Internship.

Chapter – 4 Attendance

14. The students are expected to attend all the classes and should not have less than 75 % attendance in theory as well as in practical classes, wherever held, to become eligible to appear for the university examination. Short fall in attendance can, however be condoned in deserving cases to the extent of 10% by the Principal. If the short fall is more than 10% but not more than 15%, the Principal may recommend deserving cases to the Vice Chancellor for condonation. The order of the Vice Chancellor in this regard shall be final.

Chapter – 5 Examination

15. The examination in each academic year shall be conducted in two parts:

A. Internal assessment (excluding Physiotherapy Clinical Exam) will be of 30 marks as under:-

- a. Midterm written test including in-between snap tests if any, after six months carrying 20 marks.
- b. A maximum of **10 marks** in each subject shall be awarded for attending classes (theory / practical) as per the following norms:

85% or more attendance	-	10 Marks
80% or more but less than 85% attendance	-	9 Marks
75% or more but less than 80% attendance	-	8 Marks
70% or more but less than 75% attendance	-	7 Marks
65% or more but less than 70% attendance	-	5 Marks
60% or more but less than 65% attendance	-	3 Marks
51% or more but less than 60% attendance	-	2 Marks
50% attendance	-	1 Mark
Less than 50% attendance	-	0 Mark

B. University Examination carrying 70 marks.

16. The entire course inclusive of Internship should be completed within a maximum period of nine years from the date of original admission in the course.

Chapter – 6 Paper setting, Evaluation & Results

17. The work of setting the End semester examination papers, conduct of the End semester and Annual examinations, Evaluation and declaration of results shall be as per the laid down Examination policies / latest University Notifications.

Chapter – 7 Power to Modify

18. In the event of any emergent situation, if any deviation is considered necessary, the Vice Chancellor is authorised to modify the Ordinance. Subject to subsequent ratification by the Executive Council.

ORDINANCE NO. V (16A)
MASTER OF PHYSIOTHERAPY
(MPT) COURSE

Ordinance No. V (16A)

Ordinance Relating to Master of Physiotherapy (MPT) Course

Chapter-1

General

- 1- This ordinance may be called the “Ordinances Relating to Master of Physiotherapy (Physical Therapy) Course”.
- 2- The ordinance shall come in to force with immediate effect.
- 3- This supersedes the previous Ordinances relating to Master of Physiotherapy (Physical Therapy) Course [V-(16A)]

Chapter-2

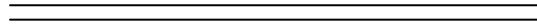
TITLE, & ELIGIBILITY OF ADMISSION

- 1- **OBJECTIVE:** To Train Physiotherapists who will be able to:
 - Assume leadership roles in departments.
 - Assume enhanced patient care responsibilities.
 - Formulate and implement educational Programs.
 - Analyze and undertake research.
- 2- The name of Degree to be awarded shall be Master of Physiotherapy (MPT) in the faculty of Paramedical Sciences.
- 3- Course Program & duration –
 - a. **Name:**
 - Master’s of Physiotherapy
(Orthopedics).
 - Master’s of Physiotherapy
(Neurology).
 - Master’s of Physiotherapy
(Cardiopulmonary Conditions).
 - Master’s of Physiotherapy
(Sports Physiotherapy).
 - b. **Nature:** Regular and full time.

- c. Duration:** Two Years course, designated as;
- | | | |
|---------------|-------------|------------|
| First | year | MPT |
| Second | Year | MPT |
- d. Pattern:** Annual System

4- The medium of Teaching/Instruction and examination will be in English.

- 5- (a) A student seeking admission to the Master of Physiotherapy must have passed regular full time Bachelor of Physiotherapy (B.P.T.) course from any recognized institute/ University by U.G.C. and Indian Association of Physiotherapy (IAP).
- (b) The eligible students may be called for an Entrance test prescribed by the University.



THE CURRICULUM6- Academic Calendar -

I & II year = Session = September/October of every year
Annual examination = every year in August

7- Teaching Hours –

The following shall be the distribution of teaching hours for the course of study.

MPT ORTHOPEDICS – FIRST YEAR

Subject	Hours
Basic of Computer Application (Qualifying)	100
Medical and Surgical Management of Disorders of the Musculoskeletal System	100
Physiotherapy Management in Disorders of the Musculoskeletal System-I	125
Physiotherapy Management in Disorders of the Musculoskeletal System-II	125
Physiotherapy Management in Disorders of the Musculoskeletal System (Lab. Hours)	50
Research Methodology and Biostatistics	100
Seminars on Clinical Issues (Qualifying)	100
Clinical Practice	1100
Total	1750 Hrs.

SECOND YEAR

Subject	Hours
Pedagogy in Physiotherapy Education	100
Management, Administration and Ethical Issues	75
Biomechanics	150
Biomechanics (Lab. Hours)	25
Dissertation	200
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

MPT

MPT NEUROLOGY – FIRST YEAR

Subject	Hours
Basic of Computer Application	50
Medical and Surgical Management of Disorders of the Nervous System	100
Physiotherapy Management in Disorders of the Nervous System-I	125
Physiotherapy Management in Disorders of the Nervous System-II	125
Physiotherapy Management in Disorders of the Nervous System (Lab. Hours)	50
Research Methodology and Biostatistics	100
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

SECOND YEAR

Subject	Hours
Pedagogy in Physiotherapy Education	100
Management, Administration and Ethical Issues	75
Biomechanics	150
Biomechanics (Lab. Hours)	25
Dissertation	200
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

MPT

MPT CARDIOPULMONARY CONDITION – FIRST YEAR

Subject	Hours
Basic of Computer Application	50
Medical and Surgical Management of Disorders of the Cardiopulmonary System	100
Physiotherapy Management in Disorders of the Cardiopulmonary System-I	125
Physiotherapy Management in Disorders of the Cardiopulmonary System-II	125
Physiotherapy Management in Disorders of the Cardiopulmonary System (Lab. Hours)	50
Research Methodology and Biostatistics	100
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

SECOND YEAR

Subject	Hours
Pedagogy in Physiotherapy Education	100
Management, Administration and Ethical Issues	75
Biomechanics	150
Biomechanics (Lab. Hours)	25
Dissertation	200
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

MPT

MPT SPORTS PHYSIOTHERAPY – FIRST YEAR

Subject	Hours
Basic of Computer Application	50
Medical and Surgical Management of Sports Injuries	100
Physiotherapy Management in Sports Injuries- I	125
Physiotherapy Management in Sports Injuries-II	125
Physiotherapy Management in Sports Injuries (Lab. Hours)	50
Research Methodology and Biostatics	100
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

SECOND YEAR

Subject	Hours
Pedagogy in Physiotherapy Education	100
Management, Administration and Ethical Issues	75
Biomechanics	150
Biomechanics in Sports (Lab. Hours)	25
Dissertation	200
Seminars on Clinical Issues	100
Clinical Practice	1100
Total	1750 Hrs.

SCHEME OF EXAMINATIONS**13- Marks Distribution**Note: **IA** : Internal Assessment, **AE** : Annual Exam**MPT (ORTHOPEDECS)****First Year**

Subject	IA	AE	Total
Basic of Computer Application	-	-	P / F
Medical & Surgical Management in Disorder of the Musculoskeletal System	50	100	150
P.T. Management in Disorder of the Musculoskeletal System-I	50	100	150
P.T. Management in Disorder of the Musculoskeletal System-II	50	100	150
P.T. Management in Disorder of the Musculoskeletal System-Practical	100	400	500
Research Methodology & Biostatistics	50	100	150
Seminars on Clinical Issues	100	-	100
Total			1200

Second Year

Subject	IA	AE	Total
Pedagogy in Physiotherapy Education	50	100	150
Management, Administration & Ethical Issues	50	100	150
Biomechanics	50	100	150
Biomechanics-Viva	50	100	150
Dissertation	-	-	Pass / Fail
Seminars on Clinical Issues	100	-	100
Total			700

GRAND TOTAL I and II: 1900

MPTNote: **IA** : Internal Assessment, **AE** : Annual Exam**MPT (NEUROLOGY)****First Year**

Subject	IA	AE	Total
Basic of Computer Application	-	-	P / F
Medical & Surgical Management in Disorder of the Nervous System	50	100	150
P.T. Management in Disorder of the Nervous System-I	50	100	150
P.T. Management in Disorder of the Nervous System-II	50	100	150
P.T. Management in Disorder of the Nervous System-Practical	100	400	500
Research Methodology & Biostatistics	50	100	150
Seminars on Clinical Issues	100	-	100
Total			1200

Second Year

Subject	IA	AE	Total
Pedagogy in Physiotherapy Education	50	100	150
Management, Administration & Ethical Issues	50	100	150
Biomechanics	50	100	150
Biomechanics-Viva	50	100	150
Dissertation	-	-	Pass / Fail
Seminars on Clinical Issues	100	-	100
Total			700

GRAND TOTAL I and II: 1900

MPTNote: **IA** : Internal Assessment, **AE** : Annual Exam**MPT (CARDIOPULMONARY CONDITION)****Fisrt Year**

Subject	IA	AE	Total
Basic of Computer Application	-	-	P / F
Medical & Surgical Management in Disorder of the Cardiopulmonary System	50	100	150
P.T. Management in Disorder of the Cardiopulmonary System-I	50	100	150
P.T. Management in Disorder of the Cardiopulmonary System-II	50	100	150
P.T. Management in Disorder of the Cardiopulmonary System-Practical	100	400	500
Research Methodology & Biostatics	50	100	150
Seminars on Clinical Issues	100	-	100
Total			1200

Second Year

Subject	IA	AE	Total
Pedagogy in Physiotherapy Education	50	100	150
Management, Administration & Ethical Issues	50	100	150
Biomechanics	50	150	200
Biomechanics-Viva	50	100	150
Dissertation	-	-	Pass / Fail
Seminars on Clinical Issues	100	-	100
Total			700

GRAND TOTAL I and II: 1900

MPT

Note: **IA** : Internal Assessment, **AE** : Annual Exam

MPT (SPORTS PHYSIOTHERAPY)**First Year**

Subject	IA	AE	Total
Basic of Computer Application	-	-	P / F
Medical & Surgical Management in Disorder of the Sports Injuries	50	100	150
P.T. Management in Disorder of the Sports Injuries -I	50	100	150
P.T. Management in Disorder of the Sports Injuries -II	50	100	150
P.T. Management in Disorder of the Sports Injuries -Practical	100	400	500
Research Methodology & Biostatistics	50	100	150
Seminars on Clinical Issues	100	-	100
Total			1200

Second Year

Subject	IA	AE	Total
Pedagogy in Physiotherapy Education	50	100	150
Management, Administration & Ethical Issues	50	100	150
Biomechanics	50	150	200
Biomechanics-Viva	50	100	150
Dissertation	-	-	Pass / Fail
Seminars on Clinical Issues	100	-	100
Total			700

GRAND TOTAL I and II: 1900

Chapter – 5
Attendance

14. The students are expected to attend all the classes and should not have less than 75 % attendance in theory as well as in practical classes, wherever held, to become eligible to appear for the university examination. Short fall in attendance can, however be condoned in deserving cases to the extent of 10% by the Principal. If the short fall is more than 10% but not more than 15%, the Principal may recommend deserving cases to the Vice Chancellor for condonation. The order of the Vice Chancellor in this regard shall be final.

Chapter – 6
EXAMINATIONS

(A) ASSESSMENT:

(a) In Internal Assessment a maximum of **10 marks** in each subject shall be awarded for attending classes (theory / practical) as per the following norms:

85% or more attendance	-	10 Marks
80% or more but less than 85% attendance	-	9 Marks
75% or more but less than 80% attendance	-	8 Marks
70% or more but less than 75% attendance	-	7 Marks
65% or more but less than 70% attendance	-	5 Marks
60% or more but less than 65% attendance	-	3 Marks
51% or more but less than 60% attendance	-	2 Marks
50% attendance	-	1 Mark
Less than 50% attendance	-	0 Mark

(b) The weightage of the Internal Assessment (IA) & Annual Examination (AE) in total marks is given under Chapter-4.

(B) PROMOTION:

(i) **I Year:** A student will not be promoted from I year to II year if he / she fails in more than 2 theory papers and any practical exam failing which this student shall reappear for the failed examinations. A student who carries forward 1st yr. paper will appear in the next year examination of the subject.

- **(A student who failed in any one/all non-professional subject namely :-**

ORTHO:- (a) Physiotherapy Management in Disorders of the Musculoskeletal System-I,
(b) Physiotherapy Management in Disorders of the Musculoskeletal System-II,
(c) Physiotherapy Management in Disorders of the Musculoskeletal System (Lab. Hours)

NEURO:- (a) Physiotherapy Management in Disorders of the Nervous System-I,
(b) Physiotherapy Management in Disorders of the Nervous System-II,
(c) Physiotherapy Management in Disorders of the Nervous System (Lab. Hours)

CARDIO:- (a) Physiotherapy Management in Disorders of the Cardiopulmonary System-I,
(b) Physiotherapy Management in Disorders of the Cardiopulmonary System-II,

(c) Physiotherapy Management in Disorders of the Cardiopulmonary System (Lab. Hours)

SPORTS:- (a) Physiotherapy Management in Sports Injuries- I,

(b) Physiotherapy Management in Sports Injuries- II,

(c) Physiotherapy Management in Sports Injuries (Lab. Hours)

- **The students will reappear in all three above mentioned subjects along with his/her IInd year annual examination paper.**

(ii) **II year:** A student will be declared Pass in the II year if he / she cleared all the papers of the II year and whose thesis has been approved and has passed in the viva voce of the thesis failing which this student shall reappear for the failed examination.

(iii) A student will appear in supplementary examination for all failed subjects and who has failed only in theory or practical/viva of Biomechanics shall have to appear in both theory & practical/viva of the concern subject in the supplementary examination.

(C) **THESIS / DISSERTATION:**

A Research Dissertation should be compulsory and should embody the student's own work carried in the elective area under the supervision of a recognised guide qualified for the purpose and as recommended by the Indian Association of Physiotherapists (IAP).

Chapter – 7

Award of Degree

9- Award of Degree

- A student will be awarded a MPT Degree only on successful completion of the course including clinical practice for both the years.
- The entire course of study in MPT for first and second year must be completed within 4 years of the date of admission.

Chapter – 8

Paper setting, Evaluation & Results

17. The work of setting the End semester examination papers, conduct of the End semester and Annual examinations, Evaluation and declaration of results shall be as per the laid down Examination policies / latest University Notifications.

Chapter – 9

Power to Modify

18. In the event of any emergent situation, if any deviation is considered necessary, the Vice Chancellor is authorised to modify the Ordinance. Subject to subsequent ratification by the Executive Council.