



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(An Autonomous Institution)

Puducherry - 605 107

COLLEGE OF PHYSIOTHERAPY

BACHELOR OF PHYSIOTHERAPY

ACADEMIC REGULATIONS 2021

For the students admitted from the academic year 2021 - 2022

TABLE OF CONTENTS

1.	INTRODUCTION	4
2.	PRELIMINARY DEFINITIONS AND NOMENCLATURE	4
3.	ABOUT THE PROGRAMME	5
4.	ELIGIBILITY FOR ADMISSION	6
5.	DURATION OF THE PROGRAMME	6
6.	MEDIUM OF INSTRUCTION	7
7.	EDUCATIONAL METHODOLOGY	7
8.	ACADEMIC CALENDAR	7
9.	CURRICULUM STRUCTURE	7
10.	INTERNAL ASSESSMENT	7
11.	BREAK OF STUDY FROM THE PROGRAMME	8
12.	EXAMINATIONS	8
13.	AUXILIARY COURSES	9
14.	INTERNSHIP	9
15.	ELIGIBILITY FOR AWARD OF THE DEGREE	10
16.	DECLARATION OF CLASS	10
17.	QUESTION PAPER PATTERN	23

1. INTRODUCTION

- College of Physiotherapy, Sri Manakula Vinayagar Engineering College (SMVEC) envisions to foster knowledge, skills, attitude and values of the aspiring youth to enable them to become global citizens. To achieve this process, the institution has evolved a flexible integrated academic curriculum designed in accordance with the Outcome Based Education (OBE which is acquired by the learners of a programme under 'Learner Centric' Model.
- The provisions made in this document shall govern the policies, procedures, curriculum, conduct of the examinations and evaluation systems.
- The semester system shall be adopted for academic activities in the college. Normally, odd semester starts in second week of June and even semester starts in second week of December.
- The rules and regulations shall be subjected to amendment made by the Academic Council (AC) from time to time based on the recommendations of the Board of Studies (BoS).

2. PRELIMINARY DEFINITIONS AND NOMENCLATURE

College	:	College of Physiotherapy, Sri Manakula Vinayagar Engineering College
University	:	Pondicherry University
Programme	:	Bachelor of Physiotherapy (B.P.T)
Core Course	:	Theory / Practical subject that is normally studied in a semester. Eg: Anatomy, Soft tissue Manipulation, etc.,
Auxiliary Course	:	Additional courses within the curriculum, for which the end semester examination will be conducted by the department
Head of the Institution	:	The Director cum Principal
Controller of Examinations (CoE)	:	The authority who is responsible for all Examination related activities of the institution
Curriculum	:	The various components / courses studied in each programme that provides an appropriate outcome in the chosen branch of study.
Odd semester	:	The Semester that is typically from June to November
Even semester	:	The Semester that is typically from December to May
Period	:	50 minutes duration of a theory / practical class
Day	:	8 periods in a calendar day
Enrolment	:	Enlistment of a student on roll in an academic year
Arrear	:	A course in which a student has not fulfilled the examination passing criteria in the end semester examination.
COPT	:	College of Physiotherapy
IA	:	Internal Assessment
ESE	:	End Semester Examination
ESM	:	End Semester Examination Marks
Regular Examination	:	End semester examination conducted for the courses prescribed in the curriculum of that semester.
Arrear Examination	:	End Semester examination conducted for the students who have not fulfilled the examination passing criteria in the previous attempt(s).

Supplementary Examination	:	An additional examination exclusively conducted in the Sixth and eighth semester for the students with a maximum of two arrears.
Academic Council (AC)	:	An Apex academic body having the power to scrutinize and approve the proposals with or without modification of the Board of Studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto, etc.
Board of Studies (BoS)	:	An Apex academic body having the power to approve the various courses; suggest teaching methodologies, coordinate research and other academic activities keeping in view the objectives of the college.
Academic Standing Committee (ASC)	:	ASC shall perform the functions under emergent situations which are subject to ratification by the Academic Council (AC).
Department Consultative Committee (DCC)	:	Reviews, revises and prepares curriculum structure based on the institutional policy and suggests improvements in syllabus of a course(s) prepared by course teacher(s) and forwards the curriculum to BoS for further recommendations. It monitors the academic progress and conduct of classes throughout the semester and takes appropriate corrective measures to improve the quality of curriculum delivery.
Programme Academic Coordinator (PAC)	:	Coordinates all the academic activities of the department viz. Curriculum revision, framing of syllabus, time table, re-registration of course(s), display and submission of attendance status and BoS meeting as a member secretary.
MHFW	:	Ministry of Health and Family Welfare
UGC	:	University Grants Commission

3. ABOUT THE PROGRAMME

The Bachelor of Physiotherapy (B.P.T) is an undergraduate academic programme in the medical science field of physiotherapy. The duration of the B.P.T course is 4½ years, including a 6 month internship. Physical Therapy Programs such as physiotherapy provide core skills like manual therapy, therapeutic exercise and the application of electro physical modalities to prospective students. The course focuses on the use of physical movements and exercise to improve and cure injuries, deformities and diseases. Physiotherapy does not rely extensively on the use of drugs and medicine. Instead, it relies on the use of physical treatment to restore, maintain and maximize overall well-being.

3.1 Objective

- To impart an in-depth knowledge and skills required to become competent in various techniques and attitudes required for independent practice of Physiotherapy Profession.
- To produce the graduates with excellent communication skills who are to function as independent clinicians and as fully interactive members of the multi-disciplinary health care team.

3.2 Salient Features

- To train students to work as independent physiotherapists or in conjunction with a multidisciplinary team to diagnose and treat movement disorders.
- Skills in the graduate's physical/ functional diagnosis, treatment planning, management, administration of physiotherapy treatment, and patient support.
- Graduates can find employment opportunities in hospitals, nursing homes, sports teams, fitness centers, community rehabilitation, planning boards, and health promotion services in both the private and public sectors, as well as in independent physiotherapy clinics.
- Graduates will function as active members of professional and community organizations.
- The graduate will be a service-oriented advocate dedicated to the promotion and improvement of community health.
- The graduate will demonstrate lifelong commitment to learning and professional development.

4. ELIGIBILITY FOR ADMISSION

- Candidates should have a pass in the Higher Secondary Examination (academic) conducted by the Board of Higher Secondary Examination of Tamil Nadu, or any other equivalent examination accepted by the University, thereto with a minimum of 50% marks (40% for SC, ST, MBC, OBC candidates) in aggregate of the Science subjects (Physics, Chemistry, Biology/ Botany & Zoology) and should have English as one of the subjects.
- Candidate shall be medically fit to undergo the Physiotherapy Programme and Medical Fitness Certificate from a Government Hospital should be produced at the time of admission.

Selection of the candidates should be based on the norms of the competent authority.

4.1 Age Limit

Candidates should have completed a minimum of 17 years of age as on 31st December of the year of admission. The upper age limit is 25 years. (Relaxable up to 5 years for SC/ST candidate and upto 3 years for MBC/OBC candidates)

5 DURATION OF THE PROGRAMME

- The duration of the programme shall be **four years** of full time study and **six months** of compulsory rotatory internship.
- The duration of the program shall be four academic years comprising of 8 semesters, and 6 months of compulsory rotatory internship. However a student may complete the program at a slower pace of taking more time but in any case not more than 8 years including internship from the date of admission.

6 MEDIUM OF INSTRUCTION

English shall be the medium of instruction for all the subjects of study and for the examinations of the programme.

7 EDUCATIONAL METHODOLOGY

Learning occurs by attending didactic lectures, as part of regular work, from co-workers and senior faculty, through training offered in the workplace, through reading or other forms of self-study, using materials available through work, using materials obtained through a professional association or union, using materials obtained on student's own initiative, during working hours at no cost to the student.

8 ACADEMIC CALENDAR

Each semester shall consist of not less than 90 working days.

- 1st semester will commence from 1st week of July and 3rd, 5th, 7th (Odd) semesters from June in every academic year.
- The 2nd, 4th, 6th and 8th (Even) semesters shall commence from December in every academic year.

9 CURRICULUM STRUCTURE

Each Course (subject) shall be designed under lectures / laboratory or field work / seminar / practical training / outreach activities / Assignments / Term paper or Report writing or a combination of some of these to meet effective teaching and learning needs.

The curriculum structure is shown in Table I. The detailed syllabus in respect of the programme is appended to this regulation.

10 INTERNAL ASSESSMENT (THEORY)

The Internal assessment will be conducted and marks awarded to the candidate for the subjects which are detailed in the Scheme of Examination (Table-III).

▪ 2 Internal Assessment exam+1 Model exam (4+4+7)	= 15 marks
▪ Assignments/ Seminars/ curricular activities	= 5 marks
▪ Attendance during the period	= <u>5 marks*</u>
Total	= <u>25 marks</u>

*The distribution of 5 marks for attendance is as follows:

5 marks for 99% attendance and above

4 marks for 95% attendance and above but below 99%

3 marks for 90% attendance and above but below 95%

2 marks for 85% attendance and above but below 90%

1 mark for 80% attendance and above but below 85%

11 BREAK OF STUDY FROM THE PROGRAMME

A student shall be permitted to withdraw temporarily from the college for the reason beyond his/her control. The applicable rules are:

- After withdrawal, the student shall rejoin next year in the same semester during which the student has withdrawn.
- The student shall apply to Dean Academics through Dean (COPT) stating the reasons for withdrawal along with supporting documents, consent letter from his/her parent/guardian and clearance/no due from all the concerned departments.
- Dean Academics shall examine the case and recommend for the approval/ratification from Academic Council (AC) /Academic Standing Committee (ASC).
- A student availing temporary withdrawal from the college under the above provision shall be required to pay such fees and/or charges as may be fixed by the AC/ASC for his/her name to be enrolled. However, it may be noted that the fees/charges once paid shall not be refundable.
- The total period of completion of the programme reckoned from the commencement of the first semester to which the candidate was admitted shall not exceed 8 years including the period of discontinuance.

11.1 Re-admission after Break of Study

- Candidates having a break of study of five years and above from the date of admission / more than two spells of break will not be considered for readmission
- The five years period of break of study shall be calculated from the date of first admission of the candidate to the course for the subsequent spells of break of study
- Candidates having break of study shall be considered for re admission provided that they are not subjected to any disciplinary action and no charges are pending or contemplated against them.
- All re admissions of candidates are subjected to the approval of the Head of the Institution.

11.2 REQUIREMENTS FOR EXAMINATIONS AND ATTENDANCE

Examination will be conducted in both theory and practical, as prescribed in Scheme of Examination. Candidates will be permitted to appear for the End Semester Examination in the subject only if they secure not less than 80% attendance (irrespective of the kind of absence) in each semester.

12 EXAMINATIONS

The End Semester Examinations will be conducted in the semester pattern for all the four years, each year consisting of two semesters. The particulars of subjects for various examinations and distribution of marks are shown separately in the Scheme of Examination (Table III).

12.1 Attendance required to appear End Semester Examinations

Candidate is required to have a minimum of 80% of attendance in each semester to appear in end semester examinations.

12.2 Passing Minimum

A candidate should secure 50% of the marks in theory and 50% in practical (wherever prescribed) separately and 50% in aggregate in each paper. If a candidate fails in either theory or practical, he/she has to re-appear for both theory and practical.

12.3 SUPPLEMENTARY EXAMINATIONS

Supplementary Examination is an additional examination, which will be conducted after declaration of the end semester examination results/revaluation results. This examination will be conducted in sixth and eighth semesters for the students who are having a maximum of two arrears only. For supplementary examination, the continuous assessment marks of the last attempt will be considered.

13 AUXILIARY COURSES

The Auxiliary courses are provided to enhance the knowledge and skill set of the students. The Auxiliary Courses included in the curriculum are Physiotherapy Orientation, Nutrition, Environmental Studies, Therapeutic Yoga, BLS and First aid, Physiotherapy ethics, Evaluation Measurement and Outcome Measures, Diagnostic Imaging for Physiotherapist, Principles of Management, Case Presentation and Discussion, Health Promotion and Fitness, Research Methodology and Bio-statistics, Veterinary Physiotherapy, Clinical reasoning and evidence based practice, Education Technology. The End Semester Examination will be conducted at the Department level and the Marks will be submitted to the Controller of Examination

14 INTERNSHIP

The candidate shall be eligible for internship program only after successful completion of all the courses till eight semesters as per the curriculum.

There shall be a compulsory full-time rotatory internship after the candidate having passed all the subjects prescribed in the scheme of examination. The compulsory full-time rotatory internship should be done for a period of six months, and not less than 180 days, in an Institution/ Hospital approved by the Institution. No candidate shall be eligible for the award of the degree without successfully completing the six months of internship.

The internship should be completed within one year from the date of commencement of internship, and however should be started within one year of after passing the final examinations. No candidate shall be eligible for the award of the degree without successfully completing the six months of internship.

The internship training areas related to Physiotherapy are mentioned in Table II

The internship training areas related to Physiotherapy are mentioned in Table II.

15 ELIGIBILITY FOR AWARD OF THE DEGREE

The candidates shall be eligible for the Degree of Bachelor of Physiotherapy when they have undergone the prescribed programme of study for a period of not less than four years in an institution and have passed the prescribed examinations in all subjects and have completed a compulsory internship over a period of six months in an approved institution, after having passed the final examination.

However, the candidates who are under break of study are eligible for the award of the degree after completion of all the courses and internships within the maximum stipulated period of eight years.

16 DECLARATION OF CLASS

- **Distinction**
A successful candidate obtaining 75% and more marks in the grand total aggregate in the first attempt shall be declared to have passed these subjects with *distinction*.
- **First Class**
A successful candidate obtaining 60% and more but less than 75% of the marks in the grand total aggregate in the first attempt shall be declared to have passed with *first class*.
- **Second Class**
A successful candidate obtaining 50% and more but less than 60% of the marks in the grand total aggregate in the first attempt, and, a candidate who passes in more than one attempt irrespective of the percentage of marks secured shall be declared to have passed these subjects with *second class*.
- **Award of Ranking**
Ranks shall be declared based on the aggregate marks obtained by a candidate in the End Semester Examination subjects of the programme. Only those candidates who have passed all the subjects in all examinations in the first attempt shall be eligible for the award of rank by the institution.

Table I: CURRICULUM STRUCTURE

I (a). FIRST YEAR (1150 hrs)

Semester – I

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
.	U21BPTT101	Psychology (General and Health)	130	-	130
2.	U21BPTT102	Sociology	130	-	130
3.	U21BPTT103	Functional English	80	20	100
4.	U21BPTT104	Computer and its applications	40	60	100
Auxiliary Courses*					
5.	U21BPTT105	Physiotherapy Orientation	50	-	50
6.	U21BPTP106	Physical Education	-	40	40
Total Hours					550
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

Semester – II

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTT207	Anatomy (Systemic and Regional)	135	-	135
2.	U21BPTT208	Physiology	135	-	135
3.	U21BPTT209	Biomechanics and kinesiology I	90	30	120
Core Courses-Practical					
4.	U21BPTP210	Anatomy Practical	-	60	60
5.	U21BPTP211	Physiology Practical		60	60
Auxiliary Courses*					
7.	U21BPTT212	Nutrition	45	-	45
8.	U21BPTT213	Environmental Studies	45	-	45
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

I (b).SECOND YEAR (1200 hrs)**Semester – III**

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTT314	Microbiology & Pathology	60	30	90
2.	U21BPTP315	Biochemistry & Pharmacology	60	30	90
3.	U21BPTT316	Biomechanics and Kinesiology II	90	-	90
4.	U21BPTT317	Exercise therapy - Basics & Soft tissue Manipulation	60	-	60
Core Courses-Practical					
5.	U21BPTT318	Biomechanics and Kinesiology Practical	-	60	60
6.	U21BPTP319	Exercise therapy - Basics & Soft tissue Manipulation Practical	-	120	120
Auxiliary Courses*					
7.	U21BPTT320	Therapeutic Yoga	15	30	45
8.	U21BPTP321	BLS and First aid	15	30	45
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

Semester – IV

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTT422	Exercise Therapy – Advanced	60	-	60
2.	U21BPTP423	Electrotherapy – I (LF & MF)	60	-	60
3.	U21BPTT424	Electrotherapy II (HF)	75	-	75
4.	U21BPTP425	Basic physics for Physiotherapy	45	-	45
Core Courses-Practical					
5.	U21BPTT426	Exercise Therapy – Advanced Practical	-	120	120
6.	U21BPTP427	Electrotherapy – I (LF & MF) Practical	-	90	90
7.	U21BPTT428	Electrotherapy II (HF) Practical	-	90	90
Auxiliary Courses*					
8.	U21BPTT429	Physiotherapy ethics	15	-	15
9.	U21BPTP430	Clinical Observation	-	45	45
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

I (c).THIRD YEAR (1200 hours)

Semester – V

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTT531	Clinical Orthopedic & Traumatology for Physiotherapist	120	-	120
2.	U21BPTT532	General Surgery, Plastic Surgery and OBG	90	-	90
3.	U21BPTT533	General Medicine, Paediatric and Psychiatric	120	-	120
	U21BPTT534	Community Medicine	90	-	90
Auxiliary Courses*					
4.	U21BPTP535	Evaluation Measurement and Outcome Measures	45	-	45
5.	U21BPTP536	Diagnostic Imaging for Physiotherapist	30	15	45
6.	U21BPTP537	Observation on clinical conditions	-	90	90
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

Semester – VI

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTP638	Physiotherapy in Orthopedic Conditions	90	-	90
2.	U21BPTP639	Physiotherapy in General Medicine and General Surgery	60	-	60
3	U21BPTP640	Clinical Neurology and Neurosurgery for Physiotherapist	75	-	75
Core Courses-Practical					
4.	U21BPTP641	Physiotherapy in Orthopedic Conditions Practical	-	90	90
5	U21BPTP642	Physiotherapy in General Medicine and General Surgery Practical	-	90	90
Auxiliary Courses*					
6.	U21BPTP643	Principles of Management	30	-	30
7.	U21BPTP644	Case Presentation and Discussion	-	45	45
8.	U21BPTP645	Health Promotion and Fitness	15	15	30
9.	U21BPTP646	Clinical Training	-	90	90
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

I (d) FOURTH YEAR (1200 hrs)

Semester – VII

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTP747	Physiotherapy in Neurological Disorder	90	-	90
3.	U21BPTP748	Clinical Cardio-respiratory conditions	90	-	90
4.	U21BPTP749	Community Physiotherapy – I	60	-	60
5.	U21BPTP750	Physiotherapy in Obstetrics and Gynecology	75	15	90
Core Courses-Practical					
6.	U21BPTP751	Physiotherapy in Neurological Disorder Practical	-	90	90
Auxiliary Courses*					
7.	U21BPTP752	Research Methodology and Bio-statistics	45	-	45
8.	U21BPTP753	Veterinary Physiotherapy	15	-	15
9.	U21BPTP754	Case Presentation and Discussion	30	-	30
10.	U21BPTP755	Clinical Training	90	-	90
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

Semester – VIII

Sl. No.	Course Code	Course Name	Theory (in hours)	Practical (in hours)	Total (in hours)
Core Courses-Theory					
1.	U21BPTP856	Community Physiotherapy – II	60	-	60
2.	U21BPTP857	Physiotherapy in Cardio-respiratory conditions	90	-	90
3.	U21BPTP858	Sports Physiotherapy	45	15	60
Core Courses-Practical					
4.	U21BPTP859	Physiotherapy in Cardio-respiratory conditions Practical	-	90	90
5.	U21BPTP860	Research Project	-	90	90
Auxiliary Courses*					
6.	U21BPTP861	Clinical reasoning and evidence based practice	30	-	30
7.	U21BPTP862	Case/Journal Presentation	-	60	60
8.	U21BPTP863	Education Technology	30	-	30
9.	U21BPTP864	Clinical Training	90	-	90
Total Hours					600
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination					

TABLE - II
COMPULSORY ROTATORY INTERNSHIP

The candidates should undergo compulsory rotatory internship training in the following departments/specialties* of Physiotherapy for the duration prescribed against each.

1.	Orthopaedics	- 20 days
2.	Neurology & Neurosurgery	- 20 days
3.	Cardiology	- 20 days
4.	Physiotherapy & Rehabilitation	- 15 days
5.	Critical care units	- 15 days
6.	General Medicine	- 15 days
7.	General & Plastic Surgery	- 15 days
8.	Obstetrics & Gynaecology	- 15 days
9.	Paediatrics & Paediatric surgery	- 15 days
10.	Community Physiotherapy	- 15 days
11.	Elective (any one of the above, or Sports Physiotherapy)	- 15 days
	Total	180 days

*The above listed departments are not limited and it can be extended to any other advanced facilities available, which has to be decided by Dean, COPT.

Table- III
BACHELOR OF PHYSIOTHERAPY
SCHEME OF END SEMESTER EXAMINATION

(The End Semester Examination will be conducted for the duration of 3 hours)

Semester - I

Course Code	Course Name	Theory			Practical		Grand Total	
		Internal Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks
U21BPTT101	Psychology (General and Health)	25	38	75	-	-	50	100
U21BPTT102	Sociology	25	38	75	-	-	50	100
U21BPTT103	Functional English	25	38	75	-	-	50	100
U21BPTT104	Computer and its Applications	25	38	75	-	-	50	100
U21BPTT105	Physiotherapy Orientation *	25	38	75	-	-	50	100
U21BPTP106	Physical Education *	-	-	-	-	-	-	-
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination								

Semester – II

Course Code	Course Name	Theory			Practical		Grand Total	
		Internal Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks
U21BPTT207	Anatomy (Systemic and Regional)	25	38	75	-	-	50	100
U21BPTT208	Physiology	25	38	75	-	-	50	100
U21BPTT209	Biomechanics and kinesiology I	25	38	75	-	-	50	100
U21BPTP210	Anatomy Practical	20	-	-	40	80	50	100
U21BPTP211	Physiology Practical	20	-	-	40	80	50	100
U21BPTT212	Nutrition*	25	38	75	-	-	50	100
U21BPTT213	Environmental Studies*	25	38	75	-	-	50	100
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination								

Semester – III

Course Code	Course Name	Theory			Practical		Grand Total	
		Internal Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks
U21BPTT314	Microbiology & Pathology	25	38	75	-	-	50	100
U21BPTT315	Biochemistry & Pharmacology	25	38	75	-	-	50	100
U21BPTT316	Biomechanics and Kinesiology II	25	38	75	-	-	50	100
U21BPTT317	Exercise therapy - Basics & Soft tissue Manipulation	25	38	75	-	-	50	100
U21BPTT318	Biomechanics and Kinesiology Practical	20	-	-	40	80	50	100
U21BPTP319	Exercise therapy - Basics & Soft tissue Manipulation Practical	20	-	-	40	80	50	100
U21BPTT320	Therapeutic Yoga*	25	38	75	-	-	50	100
U21BPTP321	BLS & First aid*	100	-	-	-	-	50	100
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination								

Semester – IV

Course Code	Course Name	Theory			Practical		Grand Total	
		Internal Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks	Passing Min.	Max. Marks
U21BPTT422	Exercise Therapy – Advanced	25	38	75	-	-	50	100
U21BPTP423	Electrotherapy – I (LF & MF)	25	38	75	-	-	50	100
U21BPTT424	Electrotherapy II (HF)	25	38	75	-	-	50	100
U21BPTP425	Basic physics for Physiotherapy	25	38	75	-	-	50	100
U21BPTT426	Exercise Therapy – Advanced Practical	20	-	-	40	80	50	100
U21BPTP427	Electrotherapy – I (LF & MF) Practical	20	-	-	40	80	50	100
U21BPTT428	Electrotherapy II (HF) Practical	20	-	-	40	80	50	100
U21BPTT429	Physiotherapy ethics	25	38	75	-	-	50	100
U21BPTP430	Clinical Training	100	-	-	-	-	50	100
* End Semester Examination will be Conducted at the Department and the Marks will be submitted to the Controller of Examination								

QUESTION PAPER PATTERN

Maximum 3 hours

Maximum 75 marks

**Answer Section-A and Section-B separately.
Draw labeled diagrams wherever applicable.**

SECTION – A

(40 Marks)

I. Essay question: (1 x 10 = 10)

(1)

or

(2)

II. Write short notes on any **six** of the following: (6 x 5 = 30)

(3)

(4)

(5)

(6)

(7)

(8)

(9)

SECTION – B

(35 Marks)

III. Essay question: (1 x 10 = 10)

(10)

or

(11)

IV. Write short notes on any **five** of the following: (5 x 5 = 25)

(12)

(13)

(14)

(15)

(16)

(17)

Note:

S. No	Course code	Course Name	SECTION-A	SECTION-B
1	U21BPTT101	Psychology	General	Health
2	U21BPTT207	Anatomy	Regional	Systemic
3	U21BPTT314	Microbiology & Pathology	Microbiology	Pathology
3	U21BPTT315	Pharmacology & Biochemistry	Pharmacology	Biochemistry

Except the above papers, in all other papers the subjects will be covered in both sections.