



**Haryana State Council for Physiotherapy**  
**Bays 55-58, Sector-2, Panchkula**

**SYLLABUS FOR**  
**BACHELOR OF PHYSIOTHERAPY (B.P.T.)**

**FOUR & HALF YEARS DEGREE COURSE**

**H S C P**

**TO BE IMPLEMENTED FROM: 2021 - 2022**

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SGT University  
Budhera, Gurugram



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## GUIDELINES FOR INTERNSHIP TRAINING PROGRAMME

### **Introduction:**

- ❖ Internship is a phase of training wherein a graduate is expected to conduct actual practice of physiotherapy and health care and acquire skills under supervision so that he/she may become capable of functioning independently.
- ❖ Internship is a phase of training where in a candidate is expected to conduct actual Physiotherapy practice, with fair independence in clinical decision making in low risk cases where as to work under supervision at high risk areas; so that at the end of Internship he/ she is capable to practice Physiotherapy independently.
- ❖ The Internship programme shall mainly focus on acquisition of specific skills listed in the major areas of training by —hands on experience & also on ability to conduct a scientific project.

### **1. GENERAL OBJECTIVES:**

- 1) The Chief of parent institute shall be responsible for implementation of Internship programme & also for the issue of Internship completion certificate.
- 2) Internship shall commence not later than 15 days from the day of declaration of results of IV B.P.T. examination.
- 3) It shall be binding on the candidate to follow strictly, the code of conduct prescribed by the Haryana State Council for Physiotherapy, Any breach in the conduct / discipline shall disqualify the candidate from pursuing Internship for a period of One week to One month or more depending upon the gravity of breach of conduct.
- 4) Stipend is strongly recommended during the Internship.
- 5) Compulsory Internship shall include rotational clinical assignments, administrative skills & a scientific project over a period of 26 weeks/6 months. Candidate is however encouraged to extend optional —Hands on practice for six additional months in the desired areas at the hospitals, attached to a college conducting B.P.T. programme or the listed by the Haryana state council for physiotherapy; as per the Rules & Regulations applicable to Internees regarding attendance, attitude, performance & evaluation. Such clinical experience on successful completion & on passing in evaluation shall be documented & shall be strongly recommended for additional credits for higher education or employment.
- 6) On successful completion of Internship, to the satisfaction of the Head of Physiotherapy Department & the Chief of the parent institution, the Internship completion certificate shall be issued by the parent institution; and it will be forwarded to the concern University for the Award of B.P.T. Degree and to the Haryana state council for further reference. Internship completion certificate issued by the college is only valid for registration in Haryana State Council for Physiotherapy.

### **OBJECTIVES:**

At the end of Internship programme, the candidate shall be able to-

- 1) Detect & evaluate Anatomical, Patho-physiological, & Psycho-somatic impairments resulting in Dysfunction of movement of all the ages, & occupations; as well as epidemiological sectors in the population; & arrive at the appropriate Physical & Functional diagnosis.
- 2) Understand the rationale & basic investigative approach to the Medical system & surgical intervention regimens & accordingly, Plan & implement specific Physiotherapeutic measures effectively or make a timely decision for referral to appropriate specialty.
- 3) Select strategies for cure & care; adopt preventive, restorative & Rehabilitative measures for maximum possible independence of a client/ patient, at home, work place & in the community.
- 4) Help in all types of emergencies medical, surgical, neonatal, & pediatric by appropriate therapeutic procedures & shall be able to implement, as a first level care Cardio Pulmonary resuscitation and first-aid providing support to the injured area, splinting etc, in the situation when medical aid is not available.

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- 5) Demonstrate skill to promote Health in general as well as competitive level, such as sports, work productivity, Geriatric & Women's health etc, and keeping in mind National and state level Health policies.
- 6) Develop skill to function as an essential member in co-partnership of the health team organized to deliver the health & family welfare services in existing socioeconomic, political & cultural environment.
- 7) Develop communication skill for purpose of transfer of suitable techniques to be used creatively at various stages of treatment, compatible with the psychological status of the beneficiary & skill to motivate the client & his family to religiously carry out prescribed home exercise programme & compliance to follow ergonomic advice given as a preventive / adoptive measure.
- 8) Demonstrate skill of administrative work, managing patients attending Physiotherapy services, by developing skills to use appropriate manipulative mobilization methods, Neurophysiologic maneuvers, techniques of Bronchial hygiene, Breathing retraining; application of Electro\therapeutic modalities & Therapeutic exercise; for the purpose of, evaluation, assessment, diagnostic procedures; & for the purpose of treatment as well, bearing in mind their indications & contraindications.
- 9) Develop ability to prescribe, assess (fitting) & use of appropriate orthotic & prosthetic devices; in addition to an ability to fabricate simple splints for extremities, for the purpose of prevention, support & training for ambulation & activities of daily living.<sup>3</sup>
- 10) Develop ability to do Functional Disability evaluation of Movement; & recommend for rest or alternative work substitution during the period of recovery or in case of permanent disability.
- 11) Practice professional autonomy & ethical principle with referral as well as first contact client in conformity with ethical code for Physiotherapists and as per the guideline of GSCPT.

#### **INTERNSHIP SCHEDULE:**

- ❖ Candidate shall be posted to Rotational Clinical assignments of total 26 weeks/6 months, including administrative skills pertaining to Physiotherapy practice & a scientific project of 3 hours per week [total not less than 78 hours]. The schedule of Internship shall be as follows:

Assignment	Discipline	Duration
Musculoskeletal Physiotherapy	OPD/Indoor Orthopedics/Burns/ Surgical amputations/Hand rehab./Sports injury/ wound & skin care.	8 weeks
Neurophysiotherapy	OPD/Neurology/Neurosurgery/ Pediatrics/ EMG-NCV	6 weeks
Cardio-Pulmonary Physiotherapy	OPD/ Medical/Surgical Intensive care	6 weeks
Community Physiotherapy	Women's health + Geriatric health at primary health center or community/ Industrial health/ fitness clinic.	6 weeks

- ❖ Clinical Posting in Community P.T can also be conducted at the rural set up with prior permission from the HOD and the Dean/ Principal of the parent institution. Internee must work under supervision of qualified registered physiotherapist.
- ❖ Duration in different discipline can be changed/modified by the head of the institute as per requirements in some special situations.

#### **SCIENTIFIC PROJECT**

- ❖ During the Internship, candidate shall undertake a scientific project of 3 hours per weeks [total duration not less than 78 hours]. Scientific projects may include case study, case presentation, assignment, camp, public awareness programme.



# **SGT UNIVERSITY**

**SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY**  
**(UGC & AICTE Approved)** **Gurugram, Delhi-NCR**



## **Syllabus**

**For**

## **Bachelor of Physiotherapy** **(Semester System - 2020)**

  
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### Scheme

Code	Subject / Course Name	Credits	Teaching Hours	Hours/ week	Evaluation scheme		
First Semester							
	<b><u>Theory</u></b>				Internal	External	Total
PT -101	Anatomy - I	4	64	4	40	60	100
PT -102	Physiology - I	4	64	4	40	60	100
PT - 103	Biochemistry & Medical Genetics	4	64	4	40	60	100
PT -104	Basic Mechanics & Bioelectrical Modalities	4	64	4	40	60	100
PT - 105	Sociology	2	32	2	20	30	50
Total Theory		18	288	18	180	270	450
	<b><u>Practical</u></b>						
PT - 101P	Anatomy – I (P)	2	64	4	40	60	100
PT - 102P	Physiology – I (P)	2	64	4	40	60	100
PT - 103P	Biochemistry & Medical Genetics (P)	2	64	4	40	60	100
PT -104P	Basic Mechanics & Bioelectrical Modalities (P)	2	64	4	40	60	100
Total Practical		8	256	16	160	240	400
<b>Total both theory &amp; Practical</b>		<b>26</b>	<b>544</b>	<b>34</b>	<b>340</b>	<b>510</b>	<b>850</b>
Second Semester							
	<b><u>Theory</u></b>				Internal	External	Total
PT - 201	Anatomy – II	4	64	4	40	60	100
PT - 202	Physiology - II	4	64	4	40	60	100
PT - 203	Electrotherapy-I	4	64	4	40	60	100
PT - 204	Behavioral Foundation in Physiotherapy	2	32	2	20	30	50
PT - 205	Communication Skill	2	32	2	20	30	50
Total Theory		16	256	16	160	240	400
	<b><u>Practical</u></b>						
PT - 201P	Anatomy – II (P)	2	64	4	40	60	100
PT - 202P	Physiology – II (P)	2	64	4	40	60	100
PT - 203P	Electrotherapy-I (P)	2	64	4	40	60	100
Total Practical		6	192	12	120	180	300
<b>Total both theory &amp; Practical</b>		<b>22</b>	<b>448</b>	<b>28</b>	<b>280</b>	<b>420</b>	<b>700</b>

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Code	Subject / Course Name	Credits	Teaching Hours	Hours/ week	Evaluation scheme		
Third Semester							
	Theory				Internal	External	Total
PT -301	Pathology & Microbiology	4	64	4	40	60	100
PT -302	Biomechanics & Kinesiology	4	64	4	40	60	100
PT - 303	Exercise Therapy-I	4	64	4	40	60	100
PT -304	Electrotherapy-II	4	64	4	40	60	100
PT - 305	Computer Application & Information Technology	2	32	2	20	30	50
PT - 306	Environmental Studies	2	32	2	20	30	50
Total Theory		20	320	20	200	300	500
	Practical						
PT - 302P	Biomechanics & Kinesiology (P)	2	64	4	40	60	100
PT - 303P	Exercise Therapy-I (P)	2	64	4	40	60	100
PT - 304P	Electrotherapy-II (P)	2	64	4	40	60	100
Total Practical		6	192	12	120	180	300
Total both theory & Practical		26	512	32	320	480	800
Forth Semester							
	Theory				Internal	External	Total
PT - 401	Biomechanics & Ergonomics	4	64	4	40	60	100
PT - 402	Exercise Therapy-II	4	64	4	40	60	100
PT - 403	General Medicine	4	64	4	40	60	100
PT - 404	Pharmacology	4	64	4	40	60	100
PT - 405	Ethics, Admin & Management in Physiotherapy	4	64	4	40	60	100
PT - 406	Yoga & Naturopathy	2	32	2	20	30	50
Total Theory		22	352	22	220	330	550
	Practical						
PT - 401P	Biomechanics & Ergonomics (P)	2	64	4	40	60	100
PT - 402P	Exercise Therapy-II (P)	2	64	4	40	60	100
PT - 403P	Evaluative Clinical Practices-I (General Medicine) (P)	2	64	4	40	60	100
Total Practical		6	192	12	120	180	300
Total both theory & Practical		28	544	34	340	510	850

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Code	Subject / Course Name	Credits	Teaching Hours	Hours/ week	Evaluation scheme		
Fifth Semester							
	<b>Theory</b>				Internal	External	Total
PT -501	Orthopaedic Medicine & Surgery	4	64	4	40	60	100
PT -502	Physiotherapy in Orthopaedics-I	4	64	4	40	60	100
PT - 503	General Surgery, Obstetrics & Gynaecology	4	64	4	40	60	100
PT -504	Physiotherapy in Medical & Surgical Conditions	4	64	4	40	60	100
Total Theory		16	256	16	160	240	400
	<b>Practical</b>						
PT - 501P	Orthopaedic Medicine & Surgery (P)	2	64	4	40	60	100
PT - 502P	Physiotherapy in Orthopaedics-I (P)	2	64	4	40	60	100
PT - 503P	General Surgery, Obstetrics & Gynaecology (P)	2	64	4	40	60	100
PT -504P	Physiotherapy in Medical & Surgical Conditions (P)	2	64	4	40	60	100
PT -505P	Evaluative Clinical Practices-II	2	64	4	40	60	100
Total Practical		10	320	20	200	300	500
<b>Total both theory &amp; Practical</b>		<b>26</b>	<b>576</b>	<b>36</b>	<b>360</b>	<b>540</b>	<b>900</b>
Sixth Semester							
	<b>Theory</b>				Internal	External	Total
PT - 601	Orthopaedic Medicine & Sports Injuries	4	64	4	40	60	100
PT - 602	Physiotherapy in Orthopaedics-II	4	64	4	40	60	100
PT - 603	Clinical Neurology & Psychiatry	4	64	4	40	60	100
PT - 604	Cardiopulmonary Medicine & Surgery	4	64	4	40	60	100
PT - 605	Research Methodology & Biostatistics	4	64	4	40	60	100
Total Theory		20	320	20	200	300	500
	<b>Practical</b>						
PT - 601P	Orthopaedic Medicine & Sports Injuries (P)	2	64	4	40	60	100
PT - 602P	Physiotherapy in Orthopaedics-II (P)	2	64	4	40	60	100
PT - 603P	Clinical Neurology & Psychiatry (P)	2	64	4	40	60	100
	Evaluative Clinical Practices-III	2	64	4	40	60	100
Total Practical		8	256	16	160	240	400
<b>Total both theory &amp; Practical</b>		<b>28</b>	<b>576</b>	<b>36</b>	<b>360</b>	<b>540</b>	<b>900</b>

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Code	Subject / Course Name	Credits	Teaching Hours	Hours/ week	Evaluation scheme		
Seventh Semester							
	<b>Theory</b>				Internal	External	Total
PT -701	Clinical Neurology & Neurosurgery	4	64	4	40	60	100
PT -702	Physiotherapy in Neurology-I	4	64	4	40	60	100
PT - 703	Physiotherapy in Cardiothoracic Conditions	4	64	4	40	60	100
PT -704	Manual Therapy	2	32	2	20	30	50
PT - 705	Radiology & Diagnosis	2	32	2	20	30	50
Total Theory		14	256	16	160	240	400
	<b>Practical</b>						
PT - 701P	Clinical Neurology & Neurosurgery (P)	2	64	4	40	60	100
PT - 702P	Physiotherapy in Neurology-I (P)	2	64	4	40	60	100
PT - 703P	Physiotherapy in Cardiothoracic Conditions (P)	2	64	4	40	60	100
PT -704P	Manual Therapy (P)	2	64	4	40	60	100
PT -705P	Evaluative Clinical Practices-IV	2	64	4	40	60	100
Total Practical		10	320	20	200	300	500
<b>Total both theory &amp; Practical</b>		<b>25</b>	<b>576</b>	<b>36</b>	<b>360</b>	<b>540</b>	<b>900</b>
Eighth Semester							
	<b>Theory</b>				Internal	External	Total
PT - 801	Physiotherapy in Neurology-II	4	64	4	40	60	100
PT - 802	Pediatric & Geriatric Physiotherapy	4	64	4	40	60	100
PT - 803	Physiotherapy in Sports	4	64	4	40	60	100
PT - 804	Disability Prevention & Rehabilitation	4	64	4	40	60	100
PT - 805	<b>Project Work</b>	4	64	4	80	120	200
Total Theory		20	320	20	240	360	600
	<b>Practical</b>						
PT - 801P	Physiotherapy in Neurology-II (P)	2	64	4	40	60	100
PT - 802P	Pediatrics Physiotherapy (P)	2	64	4	40	60	100
PT - 803P	Physiotherapy in Sports (P)	2	64	4	40	60	100
PT - 804P	Evaluative Clinical Practices-V	2	64	4	40	60	100
Total Practical		8	256	16	160	240	400
<b>Total both theory &amp; Practical</b>		<b>28</b>	<b>576</b>	<b>36</b>	<b>400</b>	<b>600</b>	<b>1000</b>
Compulsory Rotatory Internship - six Months (156 days X 8 hours)							
	Rotatory Internship	<b>26</b>	<b>1248</b>	<b>64</b>	Nil		