

Subject Title:	PHYSIOTHERAPY IN GENERAL MEDICINE & SURGICAL CONDITIONS
Subject Code:	1PT1010404
Year:	Final Year
Pre-requisite Subject	- NONE -

Objectives of Course:

At the end of the course the candidate will be able to:

1. Identify, discuss and analyze cardio vascular and pulmonary dysfunction based on path physiological principles and arrive at the appropriate physical and functional diagnosis.
2. Acquire knowledge of rationale of basic investigative approaches in the medical system and surgical intervention regimes related to cardio vascular and pulmonary impairment.
3. Execute the effective physiotherapeutic measures (with appropriate clinical reasoning) with special emphasis to breathing retraining, nebulization, humidification, bronchial hygiene, general mobilization and exercise conditioning in general medical and surgical conditions.
4. Acquire knowledge of the overview of patients care at the intensive care area, artificial ventilation, suctioning, positioning for bronchial hygiene and continuous monitoring of the patient at the intensive care area.
5. Acquire the skill of evaluation and interpretation of functional capacity using simple exercise tolerance tests, symptom limited tests.
6. Select strategies for cure, care and prevention to adopt restorative and rehabilitative measures for maximum possible functional independence of a patient at home, work place and in community.
7. Acquire the skill of basic cardiopulmonary resuscitation.
8. Acquire the knowledge of evaluation and physiotherapy treatment for obstetrics and gynecological conditions.
9. Acquire the knowledge of various conditions where physiotherapy plays a vital role in the rehabilitation (psychiatry, dermatology and ENT conditions).
10. Assess the various degrees of burns, plan and implement physiotherapy techniques for the rehabilitation of a burn and wound patient.

Teaching Scheme (Hours)			Evaluation Scheme (Marks)					
Lecture	Practical	Total	Theory(T)		Practical(P)		Total Marks	
			University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	Theory	Practical
60	60	120	80	20	80	20	100	100

Subject Contents			
Sr. No.	Topic	Total Hours	Weight (%)
1.	Physiotherapy following Lung surgeries Pre and post operative physiotherapy assessment and management in Lobectomy, Pneumonectomy, decortication, thoracoplasty		
2.	Physiotherapy assessment & management for abdominal surgeries Operations on upper gastro- intestinal tract - oesophagus- stomach- duodenum, operation on large and small intestine – apendicetomy, cholecystectomy, partial colectomy, illieostomy, nephrectomy .Hernia: herniotomy, herniorraphy,hernioplasty		
3.	Physiotherapy Assessment & management in Onco surgeries Mastectomy: simple, radical .Hysterectomy, prostatectomy, neck dissection		
4.	Physiotherapy in Obstetrics Electrotherapy and exercise therapy measures following pelvic repair, caesarean section		
5.	Wounds, local infections, ulcers, pressure sores UVR and other electrotherapeutic modalities for healing of wound, prevention of hypergranulated scars, relief of pain and mobilization		
6.	Physiotherapy in burns, skin grafts and re-constructive surgery		
7.	Physiotherapy in ENT conditions Nonsuppurative otitis media, chronic suppurative otitis media, otosclerosis, labyrinthitis and mastoidectomy resulting into facial palsy, laryngectomy, pharyngeal – laryngectomy, tracheostomy and its care, sinusitis		
8.	Physiotherapy in skin conditions Leprosy, acne, alopecia, psoriasis, syphilis		
9.	Physiotherapy in psychiatric conditions Schizophrenia, depression, psychosis, anxiety		
10.	Physiotherapy assessment & management of vascular diseases Venous: Thrombosis, phlebitis and phlebo-thrombosis, varicose veins, DVT, venous Ulcers Arterial: Beurger’s disease, acute and chronic arterial occlusion, lymph edema		