Bachelor Of Physiotherapy (BPT) 4th Year

SUBJECT: PHYSIOTHERAPY IN ORTHOPAEDICS

(Subject Code: BPT- 401)

<table>
<thead>
<tr>
<th>Subject Title &amp; Code</th>
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<td><strong>Practicals/ Clinicals</strong></td>
<td>4hrs/week</td>
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<tr>
<td><strong>Seminars</strong></td>
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<td><strong>Method of Assessment</strong></td>
<td>Theory and Practical</td>
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Syllabus

1. Following topics are applicable to all the Musculo – skeletal conditions included in the various clinical subjects of Medical Sciences taught in IIIrd B.P.Th. Evaluation, interpretation of investigations & functional diagnosis (ICIDH2) with appropriate clinical reasoning for planning & implementation of management techniques. Planning, Prescription & Implementation of short term & long term goals with clinical reasoning. Documentation.

myositis ossificans, AVN, pressure sores etc. Physiotherapy assessment in fracture cases. Aims of PT management in fracture cases - short and long term goals. Principles of PT management in fractures - Guidelines for fracture treatment during period of immobilization and guidelines for treatment after immobilization period. [10 Hours]

3. Specific fractures and dislocations: PT assessment and management of upper limb fractures and dislocations. PT assessment and management of lower limb fractures and dislocations including pelvis. PT assessment and management spinal fractures. [6 Hours]

4. Selection and application of physiotherapeutic techniques, maneuver's, modalities for preventive, curative and rehabilitative means in all conditions. [2 Hours]

5. Principles of various schools of thought in manual therapy. (Briefly Maitland and Mc kenzie). [3 Hours]

6. Degenerative and Inflammatory conditions: Definition, signs and symptoms, clinical features, path physiology, radiological features, deformities, medical, surgical management. Describe the PT assessment and management and home program for the following conditions – Osteoarthritis - emphasis mainly on knee, hip and hand, Rheumatoid Arthritis, Ankylosing spondylitis, Gout, Perthes disease, Periarthritic shoulder. [4 Hours]


.................................................................[3 Hours]

8. Define, review the postural abnormalities of spinal column, clinical features, deformities, medical and surgical management. Describe PT assessment and management and home program. [3 Hours]
9. Deformities: Review in detail the causes, signs and symptoms, radiological features, medical and surgical management. Describe the PT assessment and management of the following conditions: Congenital: CTEV, CDH, Torticollis, pes planus, pes cavus and other common deformities. Acquired: scoliosis, kyphosis, coxa vara, genu varum, valgum and recurvatum. [4 Hours]

11. Poliomyelitis: Definition, etiology, types, pathophysiology, clinical features, deformities, medical and surgical management. PT assessment and management after surgical corrections and reconstructive surgeries - emphasis on tendon transfer and home program. [2 Hours]

12. Leprosy: Definition, cause, clinical features, medical and surgical management. PT assessment, aims, and management after surgical procedures such as tendon transfer both pre and post operatively. [2 Hours]

14. Spinal conditions: Review the causes, signs and symptoms, investigations, radiological features, neurological signs. PT assessment, aims, and management and home program of the following conditions: Cervical spondylosis, Lumbar spondylosis, Spondylolisthesis, Spinal canal stenosis, Spondylolysis, Sacro-iliac joint dysfunction, Sacralisation, Lumbarisation, Intervertebral disc prolapse, Coccydynia, Spina bifida occulta. [6 Hours]

15. Effects of spinal traction, types of traction, modes of application, indications for spinal traction, contraindications, precautions, limitations of traction. [2 Hours]

16. Osteoporosis- causes, predisposing factors, investigations and treatment. [2 Hour]

17. Orthopedic surgeries: Pre and post operative PT assessment, goals, precautions and PT management of following surgeries such as: Arthrodesis, Osteotomy, Arthroplasty-partial and total - Excision arthroplasty, excision arthroplasty with implant, interpositional arthroplasty and total replacement; Tendon transplant, Soft tissue release- tenotomy, myotomy, lengthening;
Arthroscopy, Spinal stabilization, Re-attachment of limbs, External fixators, Synovectomy. [6 Hours]


19. Elbow and forearm: Excision of radial head - Post operative PT management. Total elbow arthroplasty- Post operative PT management. [2 Hours]


21. Hip: Joint surgeries - hemi and total hip replacement - Post operative PT management
Tendonitis and bursitis. - management. [3 Hours]


23. Ankle and foot: Ankle instability. Ligamentous tears- Post operative management. …..[3 Hour]


Practical/ Clinical: 120 Hours
Practical shall be conducted for all the relevant topics discussed in theory in the following forms:
1. Bedside case presentations and case discussions
2. Lab sessions consisting of evaluation and assessment methods on student models, treatment techniques and practice sessions.

Exam Pattern
THEORY-80 MRKS; I.A.-20 MARKS; TOTAL100MARKS
CLINICAL-80 MARKS; I.A -20 MARKS TOTAL-100MARKS
1]-THEORY-Pattern of Paper setting---------------------------------------------80 marks
Section-A- -M.C.Q Q-1].-[20 X 1] Single best answer ------------------------20 marks
Section-B--S.AQ. - Q-2] To answer any FIVE out of Six—[5 x 3] -------15 marks
- Q-3]-To answer any THREE out of Four-[3 x5] ------15 marks
# Section -C- L.AQ-. Q-4] ---------------------------------------------15 marks
Q-5] ---------------------------------------------15marks
OR
Q-6] ---------------------------------------------15 marks

2] CLINICAL –
Scheme of Examination (Practical Examination) Total 80 Marks
1. Long Case : based on the History 10 marks, Evaluation 10 marks, Treatment Plan on Patient 20 marks (Total : 40 marks)
2. Short Case : Simulated (20 Marks)
3. Five spots : spots based on, X – ray(limb, spine), Orthosis, Prosthesis, Metal implants etc 3 minutes each spot and 3 marks per spot (3x5 = 15 Marks)
INTERNAL ASSESSMENT
THEORY ------------------------------------------ 20 marks
CLINICAL -----------------------------------------20 marks

One terminal & one preliminary examination of 80 marks each
[Section A (20 marks), Section B (30 marks), Section C (30 marks)]

Based on pattern of University Examination
160 marks to be converted into 20 & send to University

CLINICAL/PRACTICAL – Internal Assessment
One terminal & one preliminary examination of 80 marks each

Based on pattern of University Examination
160 marks to be converted into 20 & send to University

Recommended books:

1. Tidy's physiotherapy.
2. Textbook of orthopedics- Cash.
3. Clinical orthopedic rehabilitation- Brotzman.
4. Orthopedic physiotherapy - Jayant Joshi.
5. Physical Rehabilitation Assessment and Treatment – O’Sullivan Schmitz
6. Sports physiotherapy- Maria Zuluaga

SUBJECT: PHYSIOTHERAPY IN NEURO-SCIENCES
(Subject Code: BPT- 402)

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<td>New: 230 Hours</td>
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### Syllabus


2. Neurotherapeutic Techniques/Approaches – Concepts, Principles, and techniques of the following: NDT, PNF, Vojta therapy, Rood’s Sensory motor Approach, Sensory Integration Approach, Brunnstorm movement therapy, Motor Relearning Program and contemporary task oriented approach, Muscle re-education approach and Constraint Induced Movement therapy. [14 hours]


6. Evaluation and Management of Peripheral Nerve Injuries and Disorders : History,

7. Assessment and management of Neurological gaits: Quantitative and Qualitative (Kinetic & Kinematics) analysis, List of Problems, short & Long Term goals, Management of following Neurological Gaits - Hemiplegic gait, Parkinson gait, High step gait, Hyperkinetic gait, Hypokinetic gait, Waddling gait, Scissoring gait, Spastic gait, Choreiform Gait, Diplegic Gait, and Myopathic Gait [9 hours]

8. Pre and Post surgical assessment and treatment following conditions - Spinal disc herniation, Spinal stenosis, Spinal cord trauma, Head trauma, Brain tumors, Tumors of the spine, Spinal cord and peripheral nerves, Cerebral aneurysms, Subarachnoid hemorrhages, epilepsy, Parkinson's disease, Chorea, Hemiballism, Psychiatric disorders, Malformations of the nervous system, Carotid artery stenosis, Arteriovenous malformations, and Spina bifida [9 hours]

Clinical/ Practical : ……………………….. (140 hours)
shall be conducted for all the relevant topics discussed in theory in the following forms
- Bedside case presentations and case discussions
- Lab sessions consisting of evaluation and assessment methods on student models, treatment techniques and practice sessions.
Application of appropriate Electro-therapeutic modes for relief of pain & functional re-education with clinical reasoning.
b) Application of skills as P.N.F., Co-ordination & balancing exercise by using techniques based on neuro physiological principles.

c) Tools used for neuro rehabilitation like vestibular balls, tilt board etc.

d) Application of transfer & functional re-education exercise, postural exercise & gait training.

e) Bladder training.

f) Developing a philosophy for caring.

g) Prescription for appropriate orthotic devices & fabrication of temporary splints.

h) Lifting techniques, wheelchair modifications, adaptive devices

Exam Pattern

THEORY-80 MRKS; I.A.-20 MARKS; TOTAL100MARKS

CLINICAL-80 MARKS; I.A -20 MARKS TOTAL-100MARKS

1] THEORY- Pattern of Paper setting-------------------------------------------80 marks

Section-A - M.C.Q Q-1]-[20 X 1] Single best answer ------------------------20 marks
Section-B--S.AQ. - Q-2]-To answer any FIVE out of Six—[5 x 3] -------15 marks
- Q-3]-To answer any THREE out of Four-[3 x5] -------15 marks
# Section -C- L.AQ-. Q-4] -----------------------------------------------15 marks
Q-5] -----------------------------------------------15marks
OR
Q-6] -----------------------------------------------15 marks

2] CLINICAL –

Scheme of Examination (Practical Examination) Total 80 Marks

1. Long Case : based on the History 10 marks, Evaluation 10 marks, Treatment Plan on Patient 20 marks (Total : 40 marks)

2. Short Case : Simulated (20 Marks)

3. Five spots : spots based on, X – ray(limb, spine), Orthosis, Prosthesis, Metal implants etc 3 minutes each spot and 3 marks per spot (3x5 = 15 Marks)
4. Journal (5 Marks)

**INTERNAL ASSESSMENT**

**THEORY** --------------------------------- 20 marks

**CLINICAL** --------------------------------- 20 marks

One terminal & one preliminary examination of 80 marks each

[Section A (20 marks), Section B (30 marks), Section C (30 marks)]

Based on pattern of University Examination

160 marks to be converted into 20 & send to University

**CLINICAL/ PRACTICAL – Internal Assessment**

One terminal & one preliminary examination of 80 marks each

Based on pattern of University Examination

160 marks to be converted into 20 & send to University

**TEXT BOOKS**


2) Proprioceptive Neuro muscular Faciliation – by Herman Kabat

3) Practical Physical Therapy – Margaret Hollis

4) Therapeutic exercise – by O'Sullivan

5) “Right in the middle” – by Patricia Davis

6) Stroke rehabilitation – by Margaret Johnson

**REFERENCE BOOK**

1. Therapeutic exercise – by Basmajiian – 5th edn.

2. Physical Rehabilitation – by Krusen

3. Brain’s disorders of Nervous systems
SUBJECT: PHYSIOTHERAPY IN GENERAL MEDICAL & SURGICAL CONDITIONS

(Subject Code: BPT- 403)

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Syllabus:
The following topics are applicable to all the adult & pediatric conditions related to Cardio-respiratory conditions & Peripheral vascular diseases included in the Clinical subjects of IIIrd B.P.Th. program.

1) Assessment of Respiratory & haemo-dynamics, by means of assessment of breath sounds, interpretation of dysfunction by, spirometry / Exercise tolerance test / assessment of thoracic mobility & breathing pattern…… (8 hrs)
2) Interpretation of radiological & Biochemical investigations & co-relate the same with clinical findings………………….. (10 hrs)
3) Functional diagnosis of cardio-respiratory dysfunction & associated Movement dysfunction……………… (4 hrs)
4) Planning short / long terms goals with clinical reasoning – documentation of
the conditions given……………… (4 hrs)
5) Application of appropriate skills for breathing re-training & bronchial Hygiene, as preventive (used specifically in preoperative care), restorative & rehabilitative measures……………… (4 hrs)
6) Prescription of appropriate therapeutic exercise program for conditioning….. (5 hrs)
7) Prescription of home program & ergonomic advice/parents education in case of Pediatric cases with reference to energy cost……… (3 hrs)
8) Importance of life style modification in prevention of IHD……… (2 hrs)
9) Use, application of electro therapeutic modalities for relief of pain, swelling and wound healing……… (2 hrs)
10) Cardio respiratory changes associated with ageing and fitness Programme………… (3 hrs)
11) Familiarization with concept of quality of life……….. (2 hrs)

Physiotherapy management for the following conditions:
1) Cardiac disorders (Congenital, Acquired, Rheumatic, Rhythm Disturbances IHD, Post Cardio-thoracic surgeries)……….. (10 hrs)
2) Pulmonary disorders (Obstructive, Restrictive, Occupational & Pediatric, pulmonary infective.) Precautions with HIV……… (10 hrs)
3) Peripheral Vascular Diseases……….. (2 hrs)
4) Diabetes (Wound, Ulcer, Glycemic control with exercise)……… (2 hrs)
5) Obesity………………………… (2 hrs)
6) Amputation………………………… (4 hrs)
7) Burns……………………………… (4 hrs)
8) General Surgery (Mastectomy & Abdominal surgery)…………. (3 hrs)
9) Intensive care unit suctioning, measures to improve Bronchial Hygiene, Positioning for Bronchial Hygiene, Continuous monitoring of the patient, general mobilization………………………….. (6 hrs)

CLINICAL ……………. (110 hrs)
1) Skill to palpate all pulses, rhythm, rate, volume & Heart rate / pulse rate
discrepancy.
2) Skill to assess B.P. at various sites, & its Physiological variation, & to assess Ankle Brachial Index.
3) Skill of exercise testing a) 6/12 min walk, b) symptom limited.
4) Interpretation of
a) Treadmill & Ergo-cycle test findings.
b) ECG, I.H.D. & Blocks,
d) Chest x-ray
e) P.F.T. obstructive/restrictive/reversibility
f) A.B.G.
g) R.P.E. Borge’s scale
h) Quality of life questionnaires

5) Evaluation & treatment planning, presentation & documentation of ONE Case
Each in :
a) Medical Respiratory condition
b) Pediatric respiratory condition
c) Thoracic Surgical condition
d) Cardiac Medical condition
e) Cardiac Surgical condition
f) Peripheral vascular disorders
g) Abdominal surgical condition
h) Mastectomy / Amputation

SCHEME OF EXAMINATION (Theory)
THEORY-80 MRKS; I.A.-20 MARKS; TOTAL100MARKS
CLINICAL-80 MARKS; I.A -20 MARKS TOTAL-100MARKS
1)]-THEORY-Pattern of Paper setting-----------------------------------------------80 marks
Section-A- M.C.Q Q-1.-[20 X 1] Single best answer -------------20 marks
Section-B--S.A.Q. - Q-2]-To answer any FIVE out of Six—[5 x 3] ------15 marks
- Q-3]-To answer any THREE out of Four-[3 x5] ------15 marks
# Section -C- L.A.Q-. Q-4] ----------------------------------------15 marks
Q-5] ---------------------------------15marks
OR
Q-6] ----------------------------------------15 marks

#- In the subject “Physiotherapy in Cardio-Vascular & Respiratory Sciences”-
L.A.Q - Q-4 in THEORY paper should be based on “P.T. in Cardiovascular OR Pulmonary condition”

2] CLINICAL –

Scheme of Examination (Practical Examination) Total 80 marks
1. Long case – based on the History 10 marks, Evaluation 10 marks,
Treatment Plan on patient 20 marks (Total 40 Marks)
2. Short case – simulated (20 Marks)
3. Five spots – Spots based on ABG/X-ray/ ECG/PFT/RPE/Bruces, protocol etc 3 minutes each spot (3x5 = 15 Marks)
4. Journal ( 5 Marks)

INTERNAL ASSESSMENT

THEORY ------------------------------ 20 marks
CLINICAL -----------------------------20 marks
THEORY

All the following subjects shall follow the same patterns of examination
One terminal & one preliminary examination of 80 marks each
[Section A (20 marks), Section B (30 marks), Section C (30 marks)]
Based on pattern of University Examination
160 marks to be converted into 20 & send to University

CLINICAL/ PRACTICAL – Internal Assessment
One terminal & one preliminary examination of 80 marks each
Based on pattern of University Examination
160 marks to be converted into 20 & send to University

TEXT BOOKS
1) Cash’s Textbook for Physiotherapists in Chest, Heart & Vascular diseases
2) Cash’s text book in General Medicine & Surgical conditions for Physiotherapists
3) Chest Physical therapy & pulmonary rehabilitation by Donna Frownfilter
4) Brompton’s hospital guide

REFERENCE BOOK
Physiotherapy in Cardio – Vascular rehabilitation – Webber
Exercise & the Heart – Wenger
ECG – by P.J. Mehta
Cardiopulmonary Physical Therapy by Irwin Scott
The Brompton Guide to chest physiotherapy DU Gasket [Completed]
Essentials of Cardio Pulmonary Physical Therapy by Hillegass and Sadowsky
Chest Physiotherapy in Intensive Care Unit by Mackenzi

SUBJECT: PHYSIOTHERAPY IN COMMUNITY HEALTH  (Subject Code: BPT- 404)

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Method of Assessment | Theory and Practical

Syllabus

1. Rehabilitation: Definition, Types ……[1 hour]

2. Community: Definition of Community, Multiplicity of Communities, The Community based approach, Community Entry strategies, CBR and Community development, Community initiated versus community oriented programme, Community participation and mobilization…………………………. [5 hours]

3. Introduction to Community Based Rehabilitation: Definition, Historical review, Concept of CBR, Need for CBR, Difference between Institution based and Community based Rehabilitation, Objectives of CBR, Scope of CBR, Members of CBR team, Models of CBR ……………………………[6 hours]


5]-Womens` Health-Clinical reasoning for care to be taken during exercises during pregnancy, -Prenatal /antenatal programme-Clinical reasoning for specific breathing exercises/ relaxation/postural training/ 2]-Geriatrics- Role of Physiotherapy in a Home for the aged.
6]-Fitness & Health promotion--Physiological effects of aerobic exercises–clinical reasoning for advocating aerobic exercises as preventive measure in Obesity & its related conditions / in cardio-respiratory conditioning/Aging/de-conditioning effect after prolonged bed rest /Diabetes

7] Role of P.T.-Stress management, -Psychological hazards- e.g.-executives, monotonicity & dissatisfaction in job anxiety of work completion with quality, Role of P.T. in Industrial setup & Stress management-relaxation modes-

8] – Industrial health:
A. Ability Management –
B. Environmental stress in the industrial area – accidents due to
i. Physical agents e.g. heat/cold, light, noise, vibration, UV radiation, ionizing radiation.
ii. Chemical agents- inhalation, local action and ingestion.
iii. Mechanical hazards-overuse/fatigue injuries due to ergonomic alternation and ergonomic evaluation of work place.
C. Mechanical stresses per hierarchy.
   I. Sedentary table work-executive’s clerk.
   ii. Inappropriate seating arrangement-vehicle drivers.
   iii. Constant standing- watchman, defense forces,surgeons.
   iv. Over execution in laborers-stress management.
D. Psychological hazards e.g. monotonicity and dissatisfaction in job, anxiety of work completion with quality, Role of PT. in industrial set up and stress management relaxation modes.

9] Geriatrics - Physiology of Aging /degenerative changes-Musculoskeletal /Neuromotor /cardio– respiratory-/Metabolic, Endocrine, Cognitive, Immune systems. Role of Physio Therapy in Hospital based care, Half-way homes, Residential homes, Meals on wheels etc. Home for the
aged, Institution based Geriatric Rehabilitation. Few conditions:- Alzheimer’s disease, Dementia, Parkinson’s Disease, Incontinence, Iatrogenic drug reactions, etc. Ethics of Geriatric Rehabilitation. [9 hours]

10] Disaster management & Rehabilitation with difference segments.

11] CBR strategies in Urban are e.g. i. UHC, community centre, clubs, mahila mandals, Social centers, Schools, industries, sports centers, Rural area- by using PHC / rural hospital, district hospital / in infrastructure.

**Practical/ Clinical: 80 Hours**

This will consist of Field visits to urban and rural PHC’s., Visits to regional rehabilitation training center, Regular mobile camps, Disability surveys in villages, Disability screening, Demonstration of Evaluation and Physiotherapy prescription techniques for musculoskeletal, neuromuscular, cardio-respiratory, paediatric, gynecological and geriatric problems in community, Demonstration of evaluation and prescription techniques for ambulatory and assistive devices, Fabrication of low cost assistive devices with locally available materials. Evaluation, treatment planning, presentation, & documentation of minimum Two cases Each in-

1] Antenatal & Postnatal case,
   2]-Gynaecological condition
   3]-Geriatric condition,
   4]-Obesity/ Fitness,
   5]-Occupational musculoskeletal or respiratory lesion
SCHEME OF EXAMINATION (Theory)

THEORY-80 MRKS; I.A.-20 MARKS; TOTAL100MARKS
CLINICAL-80 MARKS; I.A -20 MARKS TOTAL-100MARKS

1]-THEORY-Pattern of Paper setting-------------------------80 marks
   Section-A- -M.C.Q Q-1].-[20 X 1] Single best answer ---------------20 marks
   Section-B--S.AQ.- Q-2]-To answer any FIVE out of Six.—[5 x 3] ------15 marks
   - Q-3]-To answer any THREE out of Four-[3 x5] ------15 marks
# Section -C- L.AQ.- Q-4]-----------------------------------15 marks
   Q-5]--------------------------------------------------------15marks
   OR
   Q-6]--------------------------------------------------------15 marks

#- In the subject “PHYSIOTHERAPY IN COMMUNITY HEALTH”-
L.A.Q - Q-4 in THEORY paper should be based on “P.T. in Cardiovascular OR
Pulmonary condition”

2] CLINICAL –

Scheme of Examination ( Practical Examination) Total 80 marks
1. Long case – based on the History 10 marks, Evaluation 10 marks,
   Treatment Plan on patient 20 marks (Total 40 Marks)
2. Short case – simulated (20 Marks)
3. Five spots – Spots based on ABG/X-ray/ ECG/PFT/RPE/Bruces, protocol
   etc 3 minutes each spot (3x5 = 15 Marks)
4. Journal ( 5 Marks)

INTERNAL ASSESSMENT

THEORY -------------------------------------------- 20 marks
CLINICAL --------------------------------------------20 marks

THEORY
All the following subjects shall follow the same patterns of examination
SUBJECT: PHYSIOTHERAPY IN PROSTHESIS & ORTHOSIS/ PROFESSIONAL ISSUES / ADMINISTRATION /MANAGEMENT & MARKETING (Subject Code: BPT- 405)
(TOTAL: 70 Hours)

A. PHYSIOTHERAPY IN PROSTHESIS & ORTHOSIS

<table>
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<td>Total Hrs/week</td>
<td>2 hrs</td>
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<tr>
<td>Method of Assessment</td>
<td>Theory</td>
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Objectives at the end of the course, the candidate shall
1) acquire knowledge about biomechanical principles, of application of variety of
aids & appliances used for ambulation, protection & prevention

2] acquire in brief knowledge about various material used for splints/Orthosis & prostheses--selection criteria

3] acquire the skill of fabrication of simple splints made out of low cost material

Syllabus

1]-Classification of Aids & appliances……………. (3 hrs)

2]-Biomechanical principles in designing of appliances & assessment Procedures for static & dynamic alignment of the following—Aids & appliances /Splints / orthosis………………… (3hrs)

3] Orthoses –for Spine, Upper limb & Lower limb……………….. (8 hrs)

4] Amputations: Definition, levels, indications, types, PT assessment, aims, management pre and post operatively. PT management with emphasis on stump care and bandaging. Pre and post prosthetic training, checking out prosthesis, complications of amputations and its management. [3 Hours]

5] Prostheses- for Lower limbs and Upper limb ……………..(8 hrs)

6] Project-Temporary splints –to fabricate ONE splint each - [to use P.O.P, aluminum strips /sheets /wires rubber bands, rexine, Orfit etc] -a]-cock up [dorsal/volar, b]-outrigger splint…………………. (3 hrs)

7]-Opponance splint, Foot drop splint , Mallet Finger, Splint……… (1hour)

8] Recent Advances in Prosthetic components of Lower & Upper Limb….. (2 hrs)

9] Prescriptive wheel chair & Modification according to patients………….. (3 hrs)

10] Field visit compulsory to Artificial limb Center. ........................(4 hrs)

Recommended books:

2. Bella J. May : Amputation and Prosthesis
B. PROFESSIONAL ISSUES / ADMINISTRATION /MANAGEMENT & MARKETING

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<th>PROFESSIONAL ISSUES / ADMINISTRATION /MANAGEMENT &amp; MARKETING</th>
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Objectives:
1. This course is aimed to enable the candidate to acquire the knowledge of ethical code of professional practice, as well as its moral & legal aspects; & role of W.H.O. & W.C.P.T.
2. At the end of the course the student will acquire the knowledge of the basics in Managerial & Management skills, & use of Information technology in professional

Contents:
Professional issues / Ethics
1] Concepts of morality, Ethics & Legality-rules of professional conduct & their Medico-legal & moral implications-The need of Council Act for Physiotherapy (4 hrs)
2] IAP - Memorandum Of Association & Rules And Regulations (2 hrs)
3] Functioning of the World Confederation of Physical therapy [W.C.P.T.] & its various branches-Special Interest groups [brief] (1 hour)
4] Role of W.H.O. & WCPT (1 hour)
5] Legal aspects: Consumer protection act, [2 hours]
ADMINISTRATION / MANAGEMENT & MARKETING

Syllabus

1] Management studies related to –local health care organization management & structure,-
planning delivery with quality assurance & funding of service delivery -information technology -
Time management -career development in Physiotherapy…………… (10 hours)
2] Administration-principles-based on the Goal & functions -at large
hospital set up / domiciliary services/ private clinic /academic (3hrs)
3] Methods of maintaining records…………… (2 hrs)
4] Budget-planning…………… (5hrs)
5] Performance analysis--physical structure / reporting system [man power /
status /functions / quantity & quality of services/turn over-cost benefitrevenue
contribution………………………… (5hrs)

Internal Assessment –

PHYSIOTHERAPY IN PROSTHESIS & ORTHOSIS

1) 2 Mid – Term Exam of MCQ’s of 10 Marks

1) Term Exam ( 40 Marks )
   10 Marks – MCQ’s
   15 Marks – Short Answer Questions; 3 Marks Each. Total Question – 6/5 to be
   Attempted.
2) Prelim. Exam - Same pattern as Term Exam.

ADMINISTRATION / MANAGEMENT & MARKETING/ Ethics

1) 2 Mid – Term Exam of MCQ’s of 10 Marks …………………………………………………

2) Term Exam ( 40 Marks )
   10 Marks – MCQ’s
Final University Exam

THEORY-80 MRKS; I.A.-20 MARKS; TOTAL100MARKS

Section A: PHYSIOTHERAPY IN PROSTHESIS & ORTHOSIS (40 Marks)
10 Marks – MCQ’s
15 Marks – Short Answer Questions; 3 Marks Each. Total Question – 6/5 to be Attempted.
15 Marks – Long Essay Questions

Section B: ADMINISTRATION / MANAGEMENT & MARKETING/ Ethics (40 Marks)
10 Marks – MCQ’s
15 Marks – Short Answer Questions; 3 Marks Each. Total Question – 6/5 to be Attempted.
15 Marks – Long Essay Question (1 Compulsory).

Recommended books:
1. Medical Ethics by C M Francis.
5. Davies, R and Macaulay, BMC – Hospital Planning and Administration