

VEER NARMAD SOUTH GUJARAT UNIVERSITY

BACHELOR OF PHYSIOTHERAPY

Subjects during the four-year study of B. Physiotherapy

Fourth Year

- 1. Physiotherapy in Neuromuscular Conditions**
- 2. Physiotherapy in Cardiopulmonary Conditions**
- 3. Physiotherapy in General Medical & Surgical Conditions**
- 4. Physiotherapy in Rehabilitation**
- 5. Physiotherapy in Musculoskeletal conditions**

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BACHELOR OF PHYSIOTHERAPY

Final Year

2005-2006

Structure of question paper for Physiotherapy in neuromuscular conditions, Physiotherapy in Cardiopulmonary conditions, Physiotherapy in General Medical & Surgical conditions, Physiotherapy in Musculoskeletal conditions, Physiotherapy in Rehabilitation

Examination Weightage: 70 marks

Internal Assessment: 30 marks

TOTAL MARKS 70

SECTION – I

QUESTION: 1: Full Question 8

OR

QUESTION: 1: Full Question

QUESTION: 2: Short Question (2 out of 3) 10

QUESTION: 3: Short Notes (2 out of 3) 8

QUESTION:4: Very Short notes (3 out of 5) 9

TOTAL: 35

SECTION – II

QUESTION: 1: Full Question 8

OR

QUESTION: 1: Full Question

QUESTION: 2: Short Question (2 out of 3) 10

QUESTION: 3: Short Notes (2 out of 3) 8

QUESTION:4: Very Short notes (3 out of 5) 9

TOTAL: 35

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BACHELOR OF PHYSIOTHERAPY
Final Year
PHYSIOTHERAPY IN MUSCULO SKELETAL CONDITIONS

SECTION - I

Assessment & treatment planning strategies. Documentation for orthopedic cases based on SOAP

1. Traumatology: Fractures and Complications: Definitions, healing process of fractures, causes, signs and symptoms of fractures, Methods of reduction, means of immobilization, duration of immobilization, fractures in children, epiphyseal injury, principles of physiotherapy in fractures of upper, lower extremity bones, scapula, ribs, vertebrae, spine and pelvis.

2. Physiotherapy for Puttiplats operation.

3. Rehabilitation of patients- Arthroplasties- excision arthroplasty, total / partial hip and knee replacement, Mc Murray's osteotomy, reconstructive surgery ,mechanical changes- tendon transfer, peripheral nerve injuries.

4. Dislocations: Causes, types, principles of treatment of shoulder, elbow, wrist, MP, IP, hip, knee, ankle dislocations, perthes' disease, acromio-clavicular and sternoclavicular joints.

5. Deformities: Mallet finger, trigger finger, deQuervain's disease, metatarsalgia, hallux valgus, dupuytren's contracture.

SECTION - II

6. Pathological changes in inflammation, edema, pyogenic conditions, osteomyelitis.

7. Soft Tissue Injury: Contusion, sprains, strains, ruptures of muscles and ligaments, knee injuries, arthroscopy.

8. Rheumatology and arthritis: Still's disease, ankylosing spondylitis, bursitis, capsulitis, synovitis, tendinitis, infective arthritis, osteoarthritis, cervical spondylosis, gout, peri-arthritis, fascitis, tennis elbow, ganglions, tenosynovitis, chondromalacia patella, Osgood Schlatters disease, causalgia.

9. Congenital Deformities: Coxa vara, coxa valgus, C.D.H., Sprengel's scapula, torticollis, Madelung's deformity, Wry neck, kyphosis, lordosis, scoliosis, PID. Sprain back, spina bifida, spondylosis, spondylolesthesis, tuberculous spine, CV anomalies. CTEV

10. Foot conditions: Valgus and Varus feet, Mortons' neuroma, flat foot

11. Amputations of lower and upper extremity – physiotherapy management, Calipers, prosthesis and splints.

Physiotherapy in Musculoskeletal Conditions

Theory	70 (3 hrs.)
Internal Assessment	30
Practical	70
Internal Assessment	30

PHYSIOTHERAPY IN MUSCULOSKELETAL CONDITIONS

1. Treatment and rehabilitation of fracture	Hoppenfield	Reference
2. Orthopaedic Physical Therapy	Donatelli	
3. Tidy's Physiotherapy	Porter	
4. Orthopedic Physical Diagnosis	S. Pandey	
5. Orthopedic Physical assessment	Magee	
6. Clinical Orthopedic Rehabilitation	Brotzmann	
7. Orthopedics For Physiotherapists	Ebenazar	

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BACHELOR OF PHYSIOTHERAPY
Final Year
PHYSIOTHERAPY IN NEUROMUSCULAR CONDITIONS

SECTION-I

Physical therapy assessment, management strategies & documentation of the following conditions:

1. Neurological examination (Protocol):
includes detailed evaluation of sensory, motor, perceptual and higher functions.
2. Paediatric Neurology:
Cerebral palsy, Hydrocephalus and myelo-meningocele - Definition, classification, clinical features etc.
3. CNS infections (Bacterial & Viral):
Meningitis and encephalitis, Myelitis (Transverse myelitis, Poliomyelitis & Post-polio Syndrome), Post Viral Syndromes (GBS)- Causes, Clinical features
4. Cerebellar disorders:
Causes, Clinical features of cerebellar dysfunction
5. Extra pyramidal syndromes:
Parkinson's disease- Definition, aetiopathogenesis, Clinical features & Prognosis.
6. Demyelinating diseases of the nervous system:

SECTION-II

1. Vascular disorders of the brain:
Definition, classification, clinical features of cerebrovascular stroke (CVS) & Transient Ischemic Attacks (TIA), Brainstem stroke- lateral medullary Syndrome, Medial medullary syndrome and Benedicts syndrome.
2. Traumatic brain injuries:
Causes, types, complications & clinical features.
3. Motor system disorders:
Motor neuron disease and spinal muscular atrophy - Types, aetiopathogenesis, Clinical features.
4. Muscular dystrophy:
DMD, Becker's, Facio-scapulo-humeral muscular dystrophy & Peroneal muscular dystrophy - Types, aetiopathogenesis, Clinical features.
4. Myopathies: Types, aetiopathogenesis, Clinical features.
5. Myasthenia Gravis: definition, classification clinical features.
6. Multiple Sclerosis:
Types, aetiopathogenesis, Clinical features.

7. Peripheral Neuropathies:
Focal Mononeuropathy, Polyneuropathy, (Alcoholic, Diabetic, Metabolic, Toxic, Inflammatory & infective neuropathy) Plexopathy, Entrapment Neuropathy -Causes, clinical features, complications.
8. Basics of EMG & NCVs

Physiotherapy in Neuromuscular conditions

Theory	70 (3 hrs.)
Internal Assessment	30
Practical	70
Internal Assessment	30

PHYSIOTHERAPY IN NEUROMUSCULAR CONDITIONS

- | | |
|--------------------------------|-----------------|
| 1. Neurological Rehabilitation | Carr & Shepherd |
| 2. Steps to Follow | Sophie Davis |
| 1. Right in the Middle | Sophie Davis |
| 2. Cerebral Palsy | Sophie Levitt |
| 3. Neurological rehabilitation | Umphred |

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Final Year
PHYSIOTHERAPY IN CARDIO PULMONARY CONDITIONS

SECTION - I

1. Reviews of basic cardio respiratory anatomy and physiology
2. Cardiac and respiratory rehabilitation
 - definitions – assessment – aims and objectives- principles of rehabilitation
3. symptomatology of cardio respiratory disorders, investigations, diagnosis and differential diagnosis
4. Principles and techniques of physiotherapy in diseases of respiratory system : postural drainage, active cycle of breathing techniques, PEP mask, flutters and other chest clearance techniques, Breathing exercises and thoracic mobility exercises etc.
5. Physiotherapy assessment and treatment in cardio respiratory conditions – acute respiratory infections – pneumonia, lung abscess, pleurisy, emphysema, pulmonary tuberculosis
 - chronic respiratory conditions- chronic bronchitis, emphysema, bronchial asthma, Bronchiectasis, cystic fibrosis, Pneumothorax, hydro-pneumothorax, pyothorax , atelectasis.
 - Cardiac Conditions- congestive cardiac failure, myocardial infarction, Rheumatic heart disease.

SECTION – II

1. Pre and post operative evaluation and physiotherapy management of cardio thoracic surgical conditions & incisions
 - a. Thoracoplasty, lobectomy, segmentectomy, pneumonectomy, tracheostomy, pleurodesis, valve replacement and valve repair surgeries CABG (coronary artery bypass grafting), heart transplant, peri- cardiectomy, septal defects, co-arcuation of aorta, Fallot's tetralogy,
2. Principles of chest physiotherapy in ICU & ICCU with effect of anesthesia on cardio respiratory system. Knowledge of equipments in ICU, ventilators, suction apparatus, nebulizer, humidifiers, O₂ therapy
3. Significance of following to physiotherapist – laboratory investigation, creatin phosphokinase level, SGOT, SGPT, Sputum culture, , blood test- chest X- rays- Arterial blood gas analysis- basics of ECG- lung function test- Cardiopulmonary stress test
4. Documentation and communication skills for physiotherapists – referral letters, daily records and discharge summary
5. Cardiopulmonary resuscitation - demonstration

Physiotherapy in Cardiopulmonary conditions

Theory	70 (3 hrs.)
Internal Assessment	30
Practical	70
Internal Assessment	30

PHYSIOTHERAPY IN CARDIOPULMONARY CONDITIONS

1. Cardiopulmonary Physical Therapy Irwin & Tecklin
2. Essentials of Cardiopulmonary Physical Therapy Hillegass
3. Cardiopulmonary Physical Therapy Frownfelter
4. Cardiopulmonary Physical Therapy Pryor and Prasad

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PHYSIOTHERAPY IN GENERAL MEDICAL AND SURGICAL CONDITIONS

SECTION – I

1. Physiotherapy in mother and child care _ Antenatal and post natal management, early intervention and stimulation therapy in childcare (Movement Therapy)
2. Physical Fitness- Endurance, aerobic exercises
3. Skin conditions- Acne, Psoriasis, alopecia, Leucoderma Carbuncles and boils, STD – AIDS, syphilis, gonorrhoea
4. Geriatrics – Handling of old patients and their problems
5. Psychiatry – Physiotherapy in psychiatric conditions
6. Wounds, local infections, ulcers, pressure sores, Inflammation & Edema - UVR and other electrotherapeutics for healing of wounds, prevention of hyper granulated scars relief of pain and mobilizations
7. Peripheral vascular diseases & amputation
8. Role of physiotherapy in diabetes mellitus hypertension, vertigo, leprosy, myofascial pain, acute and chronic pain syndromes, obesity, hemophilia.

SECTION II

1. Complications – common to all operations
2. Physiotherapy during pre operative and post operative stages
3. Abdominal incisions
4. Operations on upper gastrointestinal tract oesophagus, stomach, duodenum
5. operation on large and small intestine :- appendectomy, cholecystectomy, partial colectomy, ileostomy, hernias, herniotomy, herniorrhaphy
6. Hysterectomy, prostatectomy, nephrectomy, pelvis repair, caesarian
7. other gynecological operations
8. Mastectomy – simple, radical
9. Burns and its treatment – Physiotherapy in burns, skin grafts and reconstructive surgeries and rehabilitation
10. ENT : physiotherapy in facial palsy, sinusitis, laryngectomy, pharyngo – laryngectomy

Physiotherapy in General Medical & Surgical conditions

Theory	70 (3 hrs.)
Internal Assessment	30
Practical	70
Internal Assessment	30

PHYSIOTHERAPY IN GENERAL MEDICAL & SURGICAL CONDITIONS

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|---|----------|
| 1. Cash's General Medical and Surgical conditions | Downie |
| 2. Physical Medicine and Rehabilitation | DeLisa |
| 3. Women's Health | Sapsford |

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BACHELOR OF PHYSIOTHERAPY

Final Year

PHYSIOTHERAPY IN REHABILITATION

Section - I

1. Introduction to rehabilitation – Basic principles – administration and prescription writing – Rehabilitation team.
2. Clinical decision making – planning an effective treatment.
3. Reservation and legislation for rehabilitation services for the disabled.
4. Contribution of social worker in Rehabilitation.
5. Rural Rehabilitation—Primary Health Centres.
6. Principles of Rehabilitation
 - (a) Communication Problems-evaluation and treatment
 - (b) Social Problems-social needs-Rehabilitation Environment-Community Resources
 - (c) Vocational Problems-evaluation –rehabilitation
7. Community Based Rehabilitation-Introduction-aspects of CBR-Role Of Physiotherapy
8. Occupational Health-Definition-scope-Occupational Diseases and Hazards

Section - II

1. Geriatric Problems
 - a. Physiology of Aging process/degenerative changes-Musculoskeletal-cardiorespiratory-metabolic
 - b. Role of Physiotherapy in graceful aging-evaluation and management.
2. Prosthesis and Orthosis
 - i. Prosthesis
 - Purpose of prosthetics, Types
 - Upper Limb Prosthesis components-terminal devices-hooks-wrist units-forearm, shoulder harness-suspension control system(In Brief)
 - Lower Limb Prosthesis-A.K. and B.K. prosthetic components-Check out procedure-Gait analysis and deviations following B.K. and A.K. prosthesis-Symes and Partial foot prosthesis
 - ii. Orthosis
 - Purpose of orthosis,types
 - Lower limb orthosis-AFO,KAFO,HKAFO –components-check out procedure and training with orthosis
 - Upper limb orthosis-principles of wrist,finger,thumb orthosis,opponens splint
 - Introductory demonstration of methods of construction of temporary orthosis for Hand and fingers.
 - Spinal Orthosis-cervical collar-thoracolumbar orthosis-Taylor-Boston-Milwaukee orthosis.

3. Ergonomics-
Definitions-principles-evaluation and application
4. Environmental assessment of modifications
5. Functional assessment
6. Rehabilitation of Pain Syndromes-
Definitions-acute and chronic pain syndromes
7. Wheelchair Management.

Physiotherapy in Rehabilitation

Theory	70 (3hrs.)
Internal Assessment	30

SUBJECT: PHYSIOTHERAPY IN REHABILITATION

<u>No.</u>	<u>Name of books</u>	<u>Name of author</u>	<u>Type</u>
1.	Rehabilitation surgery for deformities due to Poliomyelitis	KROL	Reference
2.	Lecture note on Rehabilitation	Saunders	Reference
3.	Disability management and physical Rehabilitation	Clifton	Reference
4.	Neuro-Rehabilitation	S.D.Farber	Reference

VEER NARMAD SOUTH GUJARAT UNIVERSITY

BACHELOR OF PHYSIOTHERAPY (B. Physio)

FINAL YEAR

Books List Reference Book

- | | |
|--|--------------------|
| 1. Neurological Rehabilitation | Cart |
| 2. Physiotherapy in pediatrics | Shepherd |
| 3. Amputations & Prosthetics: a
Case study approach | May |
| 4. Hand secrets | Jebson |
| 5. Physical diagnostic secrets | Mangione |
| 6. Physiotherapy & Growing child | Bums |
| 7. Rehabilitation of movement | Pitt-broke |
| 8. Hand-splinting | Wilton |
| 9. Women-Health AT.B.for
Physiotherapist | Sapsford |
| 10. Orthotics in Rehab. Spinting
Hand & body | McKee |
| 11. Management in Rehab. A Case
Study | Schuch |
| 12. Movement disorder | Marsden |
| 13. Hand-splinting | Wilton |
| 14. Cailliet Pain Series | |
| a) Knee Pain & disability | Cailliet |
| b) Low back pain | “ |
| c) Shoulder pain | “ |
| d) Hand pain & impairment | “ |
| e) Neck pain & Arm pain | “ |
| f) Foot & ankle pain | “ |
| g) Head & face pain | “ |
| 15. Orthopaedic Physical therapy | Placzet |
| 16. Human Movement | Trew Everett |
| 17. Rehabilitation of spine | Liebansan |
| 18. Dynamics of clinical
Rehabilitation exercise | Ordel & Expand |
| 19. Rehab of early Rheumatoid
Arthritis | Leang & Logigean |
| 20. Gait in Rehabilitation | Samidt |
| 21. Gait analysis | Whittle |
| 22. Physical agent in Rehab. | Livingstone |
| 23. Orthotics | Redford & Trautman |
| 24. Traction & Orthopaedic
appuomeas | |
| 25. Orthopaedic Physical assement | David j. Maggee |

26. Physical therapy for shoulder	Dona Tellei
27. Manual therapy	B. Mulligan
28. Modern Manual therapy	Grieve
29. Assessment through Touch & Palpation skill	Leon Chaitow
30. Positional release technique	“
31. Pain – Diagnosis management	J. Mennel
32. Mobilization of Nervous System	D. Butler
33. Lifting, Moving and transferring Patient	Couhal
34. Therapy & amputees	Barbara
35. Impairment rating & disability	Handinelli/ Katz
36. Work related upper limb Disorders	Haston
37. Myofascial pain and Dysfunction (Vol1,2)	Barvara & Travell Simons
38. Low back pain	Bernard
39. Managing of Low back pain	Churchill
40. Preventing Low back pain	Hooper
41. Hand book of Low back pain	Herrony
42. Rehabilitation (Physical) Management	Saunders
43. Real concept in stroke	Bangal
44. Stroke patient: Cause, prevention & Rehabilitation	A.L.Saha
45. Stroke Pain Principles & Management Of Rehab	Johnstone
46. Management of minor head injury	Jennet & Yat's
47. The practical Management of head injury	Palter & Briggs
48. Athletic injury	Arnheim & Freutie
49. Sports medicine secrets	Hauleyl & Belfas
50. Sports injury	Hyoc Caenmu lave
51. Hand injury in athletics	Stnickland & Retling
52. Fundamentals of Sports injury Management	Malessea/ Norton.
53. Human sexuality & Rehabilitation	Ann Shaker
54. Physically handicapped children	Black Magel
55. The care of Geriatric population	Sherman
56. Sports Physiotherapy approved Science & practice	Zuluaga et al
57. Limb amputation	Hanl cotton
58. Rehabilitation surgery for Deformities due to polio	Krol
59. Backache	Meallode/ Transfied
60. Revision: Total hip replacement	Bons McCarthy
61. Relaxation technique	Payne
62. Pediatric Physical therapy	Teeklin
63. Introduction of exercise science	Howarth

64. Exercise testing & exercise Prescription	Skinner
65. Clinical Pediatric Physical Therapy	Ratliffe
66. Abnormal postural Activity	Berta bobath
67. Motor development in C.P.	Berta bobath
68. Physical therapy Management Of lower ext. Amputation	Menchs/ Cih
69. Physical therapy for sports	Werner Kuprium
70. Physiotherapy in obstetrics & Gynecology	Marget Polden
71. Cash's Textbook of chest, Heart & Vascular diseases	Patricia A Orwine
72. Cash's Text book of orthopedic & Rheumatology	“
73. Neurology for Physiotherapy	“
74. Cash's Text book of medical & Surgical conditions	“
75. Clinical Neurophysiology	U.K.Mishra/ J. Kalita
76. Clinical decision making In rehabilitation	Basmajian Banerjee

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BACHELOR OF PHYSIOTHERAPY

Third Year

NOT FOR EXAMINATION

PSYCHIATRY

Mental Health:

Normal Mental Health
Criteria of normality or natural personality.
Factors contributing to normal mental health.
Self-actualizing individual.

Study of Abnormal Personality:

Neurotic.
Hysterical.
Psychotic.
Paranoid.
Schizoid.
Psychopathic etc.

General Etiological Factors:

Hereditary.
Genetically Constitutional.
Acquired.
Traumatic.
Infective.
Toxic.
Degenerative.
Social and Environmental including pathogenic family patterns.
Precipitating causes.
Frustration and conflicts.

Symptomatology and Treatment of:

Psychoses: (I) Functional - Functional Schizophrenic, reaction group, simple, paranoid, catatonic, hebephrenic paranoid state, paranoid state, paranoia, juvenile, schizophrenia autistic thinking, dementia.

(II) Organic - Toxic confused states, senile psychoses, arteriosclerosis, degenerative, G.P.I.

Affective Disorders: Dynamics of Mania, hypomanias, chronic mania, M.P.D., involuntional depression, senile depression, postpartum depressive reactions, reactive and neurotic depression, endogenous depression, suicide (Egoistic, Altruistic, Anomic).

Epileptic Disorders: Epileptic Psychoses.

Neurosis:

Symptomatology, diagnosis and treatment and psycho- dynamics of anxiety state, hysteria, conversion reaction, dissociative reaction, dual personality obsessional neurosis, phobias, hypochondriasis, neurasthenia and mental fatigue.

Mental retardation- Definition, Etiological factors, Prenatal, postnatal, infective hormonal congenital, type of mental retardation clinical types- microcephaly, hydrocephalus, Mongol, family idiocy, phenylketonuria etc.

Symptomatology of various grades of retardation, differential diagnosis and treatment.

Child Psychology:

Behavior disorders - Nail biting, Enuresis, Stealing, Truancy Thumbsucking, Speech difficulties, Pica, Vomiting, Anorexia, delinquency.

Introduction to dynamics of Psychophysical disorders:

Asthma, skin rashes, hypertension, bowel disorders Introduction to treatment in psychiatry - E.C.T., Insulin, Coma therapy

Drug therapy - Tranquilizer, Mood elevators, hypnotics and sedatives.

Psychotherapy - Deep and superficial, individual and group, expressive suppressive, environmental manipulation, re-educative.

Psychodrama.

Psychoanalysis.

Play Therapy.

Physiotherapy.

Occupational Therapy.

Third Year

OPHTHALMOLOGY

1. Common eye diseases including Refractory errors, Conjunctivitis and trachoma.
 2. Cataract and glaucoma
 3. Squint and Ptosis.
 4. Eye lesions in leprosy, including cases, treatment and complications of lagophthalmos.
 5. Causes, clinical features and treatment of disorders of ocular movement occurring in diseases such as myasthenia gravis, progressive supranuclear palsy and lower motor neuron diseases.
 6. Causes, clinical features treatment and prognosis in inflammatory disorders, vitamin A deficiency emphasis on preventable causes and prophylactic measures.
 7. Definition of blindness, and visual disability evaluation, investigative procedures used for testing visual failures.
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Third Year

E.N.T.

1. Anatomy and physiology of hearing and the use of audiometer in assessment of hearing - outline only.
2. General introduction to diseases of E.N.T., emphasis on otitis media, bell's palsy, sinusitis, rhinitis.
3. Mastoid surgery.
4. Larynx and associated functional paralysis with tracheostomy and care of tracheostomy.
5. Causes of hearing loss, Conservative and surgery intervention including types and availability of hearing aids.

Final Year MANAGEMENT

Course Objectives:

The course is designed to provide basic management knowledge and skills essential for effective functioning; and to be conversant with planning, organization, work scheduling, cost, control of quality in relation to Physiotherapy Care and Service.

Course Contents:

1. Introduction, Branches of Management, Nature and Scope of management process.
2. General Principles of Management – Theories of management; Principles of Health Sector Management; its application to Physiotherapy.
3. Personnel Management – Policies, Procedures, Basic concepts including performance appraisal.
4. Planning & Organization: Planning Cycle, Principles of Organizational Charts, resource and quality management, Planning change.
5. Financial issues including budget and income generation.
6. Hospital Management: Hospital Organization, Staffing, information, Communication and co-ordination with other services of hospital, Cost of services, Monitoring and evaluation.
7. Self Management
 - Preparing for first job
 - Time Management
 - Career development
8. National Health Policy and health care system in India
9. Organization of Physiotherapy department: Planning, Space, Manpower and other basic resources.

Final Year

ETHICS

1. History of Physiotherapy
2. Ethical Principles in Health Care
3. Ethical Principles Related to Physiotherapy
4. Scope of Practice
5. Rules of Professional Conduct
 - (a) Physiotherapy as profession
 - (b) Relationship with patients
 - (c) Relationship at Health care institution i.e. Hospitals, Clinics etc.
 - (d) Relationship with Colleagues and Peers
 - (e) Relationship with Medical and other Professionals.
6. Confidentiality and Responsibility
7. Malpractice and Negligence.
8. Provision of Services and Advertising
9. Sale of Goods : Personal and Professional Standards
10. Legal Aspects
 - (a) Legal responsibility of Physiotherapists for their action in the professional context and understanding liability and obligations in case of medico legal action.
 - (b) Consumer protection act.
11. What is evidence based physiotherapy ?

During Internship

COMPUTER APPLICATIONS

1. ROLE OF COMPUTER IN PHYSIOTHERAPY
2. MS OFFICE
3. MS EXCEL
4. MS WORD
5. MS POWER POINT
6. INTERNET APPLICATION

LITERATURE SEARCH ON THE INTERNET

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BACHELOR OF PHYSIOTHERAPY

SUBJECT TRANSCRIPT

(Of F.Y. S.Y. T.Y. and Fourth Year and Internship (Ombined)

SR.NO	SUBJECT	TOTAL HOURS OF TEACHING
1.	Human Anatomy	250
2.	HUMAN PHYSIOLOGY (Inclusive of electro-physiology)	200
3.	Psychology & Sociology	80
4.	Bio-medical physics	100
5.	Exercise – therapy I&II & soft tissue Manipulations	300
6.	Electro therapy -I&II	300
7.	Pathology	50
8.	Microbiology	30
9.	Biochemistry	50
10.	Pharmacology	30
11.	Bio-Mechanics & Kinesiology	100
12.	Psychiatry	30
13.	Neurology	50
14.	General Medicine	35
15.	Pediatrics	20
16.	Skin & V.D	20
17.	Cardio-Pulmonary Surgery	35
18.	Obstetrics & Gynecology	30
19.	Orthopedics	80
20.	General Surgery+ Plastic Surgery	35
21.	ENT	10
22.	Ophthalmology	10
23.	Radiology	10
24.	Physiotherapy in conditions	1047
25.	Bio-Statistic & Research Methodology	70
26.	Rehabilitation Therapy (P&O splinting)	35
27.	Ethics, Administration & Management	30
28.	Institutional Visits, Conferences, Educational Tours & others	150
29.	Clinical hours during S.Y., T.Y., & final year	1400
30.	Clinical hours during Internship	1300
31.	Computers	100
32.	English	80
33.	Exercise Physiology	80
	TOTAL	6147