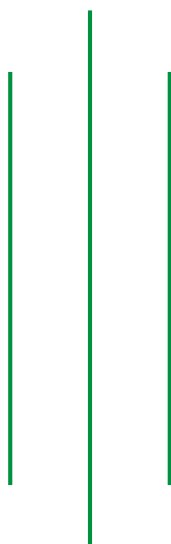


Syllabus for Licensing Examination of Certificate in Physiotherapy 2021



Nepal Health Professional Council

Bansbari, Kathmandu

Table of Content

S.N.	Name of topic group	Marks
1	Section -1 A. Applied anatomy , B. Applied physiology , C. phathology & pharmacology	25%
2	Section -2 A. Electrotherapy modalities , B. Basic concept of Therapeutic exercises, C. assessment and planning , general biomechanics in human body	25%
3	Section -3 A. Clinical condition of orthopedics, B. medicine and surgery, C. CBR & Geriatrics condition	25%
4	Section -4 A. Clinical condition of neurology, B. cardiothoracic , C. Pediatrics , Gyne-obst condition	25%
	Total	100%

Section 1

A) Applied anatomy

- i) Muscular system, skeleton system, dermatology, neurology, cardio-respiratory system,

B) Applied physiology

- i) Muscle & nerve physiology, cardio- respiratory, reproductive system, lymphatic system

C) Pathology and pharmacology

- i) Tumor, ganglion, inflammation, wound, ulcer
- ii) common bacterial, viral, parasites diseases
- iii) pharmacology- drugs for NSAID, PPI, MULTIVITAMIN , CALCIUM, OINTMENTS,

Section 2

A) Electrotherapy

- i) SWD, MWD, TENS, LASER, IFT, MOIST HEAT, PARRAFFIN WAX, TRACTION ,IRR, UVR, ULTRASOUND

B) Basic concepts of therapeutics exercises

- i) ROM, stretching ex, strengthening ex, re-education, co-ordination ex, therapeutic massage, postural and ergonomics position, goniometer, MMT, transfer tech., wheelchair,

C) Biomechanics

- i) General concept of human body biomechanics Eg. Lever, pulley, line of force, center of gravity, planes & axis, MA,

Section 3

A) Clinical condition of orthopedics and its PT managements

- i) Types of Arthritis and conditions
- ii) Bone infections
- iii) Acquired and congenital deformities
- iv) Degenerative disease
- v) Types of fracture, subluxation & dislocation management
- vi) Spinal disorder and deformities
- vii) Bone, joints, muscle, ligament & STI injuries
- viii) Amputation

B) Clinical condition of Medicine and Surgery and its PT managements

- i) Diabetic, edema, leprosy, vertigo, CVA, hemophilia, palliative care of cancer
- ii) Burn and plastic surgery eg- grafting, burn, mastectomy

C) CBR with disability and Geriatrics condition and its PT managements

- i) Definition of disability, prevention, impairment, orthotics and prosthetic, handicap,
- ii) Geriatrics-* msk condition, neuro condition, cardiorespiratory condition

Section 4

A) Clinical condition of neurology and its PT managements

- i) Cerebro Vascular Accident (CVA) Traumatic Brain Injury (TBI), Spinal Cord Injury (SCI) Poliomyelitis, Encephalitis Parkinsonism, Meningitis, Epilepsy, Muscular Dystrophy, Bell's palsy, and Facial palsy, peripheral nerve disorder

B) Clinical condition Cardiopulmonary and its PT managements

- i) COPD, pneumonia, Plural effusion, Pneumothorax, Pulmonary Tuberculosis Coronary artery disease (Myocardial Infraction), Hypertension and hypotension Deep Vein Thrombosis (DVT), Pneumonectomy Atherosclerosis, Embolism

C) Clinical condition Pediatrics and Gyne-Obs and its PT managements

- i) CP, delay milestone, STM tumor, hydrocephalus, Down syndrome, Torticollis, autism, CTEV
- ii) Normal Developmental Milestones
- iii) Gyne & Obs- Anatomy of Pelvic Floor Muscles, Physiological changes during pregnancy, musculoskeletal disorders during pregnancy, Incontinence, prolapsed of uterus