BPTh 201

N-1245

CARDIOVASCULAR-RESPIRATORY PHYSIOTHERAPY (INCLUDING CRITICAL CARE)

51413

(2026) Examination, Summer- 2026 Phase - II

Total Duration : 3 Hours | Total Marks : 80

Instructions :

1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory**.*
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

SECTION - A (50 Marks)

1. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 3 = 15]**

a) Enumerate any three abdominal incisions.

b) Write Modified Borg's Scale.

c) Interpretation of Ankle Brachial index.

d) Any three uses of PEP device

e) Hazards of suctioning.

f) Any three clinical features of Tetralogy of Fallot.

2. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 7 = 35]**

a) Discuss adverse effects of bed rest on Cardiovascular and Pulmonary system.

b) Discuss Physiotherapy management of a below knee amputee.

c) Discuss absolute and relative contraindications to exercise testing.

d) Discuss physiotherapy management after Modified Radical Mastectomy.

e) Discuss chest physiotherapy for a patient on Mechanical Ventilation SIMV mode.

f) Describe ACBT (Active Cycle of Breathing Technique)

SECTION - B (30 Marks)

3. Long Answer Questions(Solve any 1 Out of 2) : [1 × 15 = 15]

a) A 35 year old housewife, gives history of high grade fever, cough and chest pain which increases on inspiration and coughing. She was diagnosed as having left bronchiectasis with destroyed lung and underwent pneumonectomy three days back. At present she complains of incisional pain, restricted left shoulder movements and pain at ICD site.

i) Describe the surgical approach and soft tissues cut.

ii) Discuss her ICF with short term and long term goals.

iii) Discuss physiotherapy management to achieve the goals.

b) A 40 year old male, bus conductor by occupation, comes with a non-healing ulcer with oozing on the right leg proximal to the medial malleolus. He also has pigmentation and swelling in foot and ankle. It is difficult for him to walk and continue his job. His leg shows dilated tortuous veins.

i) Explain the pathophysiology of Varicose ulcers.

ii) Discuss treatment goals with ICF.

iii) Discuss Physiotherapy management.

[3 + 5 + 7]

4. Long Answer Questions (Solve any 1 out of 2) : [1 × 15 = 15]

a) A 55 year old office manager working in a Multinational Company has suffered inferior wall myocardial Infarction, is haemodynamically stable. He is a chronic smoker, known hypertensive and diabetic since last two years and non compliant. Discuss the Physiotherapy management and Cardiac rehabilitation under the following heads

i) Enumerate the phases of cardiac rehabilitation with its aim

ii) Physiotherapy management during the hospital stay until discharge.

iii) Physiotherapy management during Convalescence following discharge till 6 weeks

iv) Rehabilitation after 3 months.

b) A 25 year old female, suffers accidental burns on left upper extremity, chest and neck due to hot water spillage. She complains of pain and is treated with closed dressing.

i) Discuss extent of burns

ii) What are the impairments discuss using ICF

iii) Plan short term and long term Physiotherapy management.

[3 + 4 + 8]

100110

Fourth B.P.Th. (2012) Examination, Summer-2026 Phase - II

MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks: 80

Instructions :

1) ***Use black ball point pen only.***
2) ***Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.***
3) ***All questions are compulsory.***
4) ***The number to the right indicates full marks.***
5) ***Draw diagrams where necessary.***
6) ***Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper is only meant to cover paper's syllabus into any question paper. Students enter that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.***
7) ***Use a common answerbook for all sections.***

SECTION - A (50 Marks)

1. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 3 = 15]**

a) Enumerate any 3 complications following Supracondylin fracture of Humerus.

b) Explain capsular pattern with example

c) Explain any three contraindications for taping techniques

d) Explain Centralization and Peripheralization of pain

e) Indications of spinal traction

f) Indication and effects of Joint mobilization

2. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 7 = 35]**

a) Write energy conservation technique for rheumatoid arthritis

b) Explain in detail mobility exercises for Cervical spondylitis

c) Physiotherapy management of carpal tunnel syndrome

d) Explain precautions after total hip replacement

e) Short term physiotherapy management after ACL reconstruction surgery

f) Physiotherapy management of lumbar canal stenosis

SECTION - B (30 Marks)

3. Long Answer Questions(Solve any 1 Out of 2) : [1 × 15 = 15]

a) 25 year old male football player is complaining of pain on right side. During daily activity rate of pain 7/10 on VAS.
swelling over his knee and ankle. He has knee range of motion is 10° to 40° and poor muscle control over knee joint. He is facing difficulties in all his daily activities. He was preparing for the national tournaments scheduled after 8 months. He anxious for his recovery, with no support form parents for this upcoming tournament. Based on above information write

i) Physiotherapy diagnosis with clinical reasoning. [5]

ii) Functional diagnosis with clinical reasoning. [5]

iii) Distribution of syllabus in Question Paper is only meant to cover goals [5]

b) A 55 year old female patient has undergone left total knee replacement surgery before 8 days. Patient complains of pain (7/10 VAS) and restricted range of motion at knee, decreased muscle strength, swelling is present at her knee joint. She is financially unstable, having a caring family. She has uncontrolled diabetes and recently diagnosed with high blood pressure. Based on above information write

i) Functional diagnosis with clinical reasoning. [5]

ii) Physiotherapy management along with short term and long term goals [10]

[Total No. of Pages : 2]

51412

100106

Fourth B.P.Th. (2012) Examination, Summer- 2026 Phase - II

NEURO PHYSIOTHERAPY

Total Duration : 3 Hours **Total Marks : 80**

Instructions :

1) ***Use black ball point pen only.***
2) ***Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.***
3) ***All questions are compulsory.***
4) ***The number to the right indicates full marks.***
5) ***Draw diagrams wherever necessary.***
6) ***Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Students should not be asked from any paper's syllabus into any question paper. Student should note that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.***
7) ***Use a common answerbook for all sections.***

SECTION - A

1. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 3 = 15]**

a) Enumerate the Clinical Features of Anterior Cerebral Artery Syndrome
b) Enumerate any 3 impairments seen in a child with hypotonic Cerebral Palsy
c) Define Neuroplasticity and describe Synaptogenesis
d) Write down the interpretation of the Glasgow Coma Scale
e) Describe the classification of Cerebral Palsy
f) Classification of Stroke in to types

2. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 3 = 15]**

a) Physiotherapy Management of Parkinsons patient belonging to stage III according to Hoehn and Yahr scale.
b) Explain the Posture and movement problems of a child with Athetoid Cerebral Palsy.
c) Describe the Bladder and Management for the same
d) Explain the diagnostic test for Posterior Semicircular Canal Benign Paroxysmal Positional Vertigo. Describe any one PT intervention for the same.
e) Explain Gowers sign. Describe the Gait deviations seen in a child with Duchenne Muscular Dystrophy.
f) Explain the Management of Shoulder in Stroke.

SECTION - B

Short Answer Questions (Solve any 5 Out of 6) : **[5 × 7 = 35]**

a) Explain the Posture and movement problems of a child with Athetoid Cerebral Palsy.
b) Explain the Posture and movement problems of a child with Spastic Diplegic Cerebral Palsy.
c) Describe the Bladder and Management for the same
d) Explain the diagnostic test for Posterior Semicircular Canal Benign Paroxysmal Positional Vertigo. Describe any one PT intervention for the same.
e) Explain Gowers sign. Describe the Gait deviations seen in a child with Duchenne Muscular Dystrophy.
f) Explain the Management of Shoulder in Stroke.

SECTION - B (30 Marks)

3. Long Answer Questions (Solve any 1 Out of 2) : **[1 × 15 = 15]**

a) A 3 year old child has difficulty in standing and walking. The physiotherapy OPD with complaints of difficulty in standing, walking, flexion and ankles dorsiflexed. He has a scissoring gait. MRI reveals periventricular leukomalacia. He goes to normal school and has average performance.

Discuss the diagnosis.

Plan Short term and Long term goals with Management Strategies.

b) A 40 year old male met with a road traffic accident 1 week back. He is now under special care in a multispecialty hospital. His MRI reports are suggestive of Injury to the Axonal injury in the left internal capsule. He has no voluntary active movement in upper and lower limb. His CCS is 5. He is completely unresponsive to any stimuli presented on him.

Plan short term and long term goals.

Explain the treatment techniques in detail.

4. Long Answer Questions (Solve any 1 out of 2) : **[1 × 15 = 15]**

a) A 55 year old male, sustained a fall from first floor of T9-T10 vertebrae causing a fall resulted in fracture decompression and stabilization surgery is done 2 weeks back. He has a sense fullness of bladder, but can't void without stimulation. He lives with his wife and son who lives 2nd floor and need all necessary facilities.

Plan short term and long term goals for this patient.
Explain the expected ambulation level and write in detail expected rehabilitation outcomes for this patient.
Explain the type of bladder.

b) An 8 year old male child who is a known case of Duchenne's Muscular Dystrophy comes to the physiotherapy OPD from a rural setup. His mode of ambulation is walking with support when passively asked to stand. On examination, tightness of plantar flexors is noted. He has weakness in pelvic and shoulder girdle musculature and in respiratory muscles also.

Explain the steps involved in wheelchair prescription.

Explain the short term and long term goals for this patient.

[Total No. of Pages : 2

51414

100234

Fourth B.P.TH. (2012) Examination, Summer- 2026 Phase - II
COMMUNITY PHYSIOTHERAPY

Total Marks 80

Total Duration 3 Hours

Instructions :

1) *Use **black** ball point pen only.*
2) ***Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.*
3) ***All** questions are **compulsory**.*
4) *The number to the **right** indicates **full** marks.*
5) *Draw diagrams **wherever** necessary.*
6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answerbook for all sections.*

SECTION - A (50 Marks)

1. Short Answer Questions (Solve any 5 out of 6) : **[5 × 3 = 15]**

a) Describe Job analysis

b) What is the role of social worker in CBR

c) Enlist physiological changes in respiratory system in aging

d) what is the role of occupational therapist in the rehabilitation team

e) Enlist adult's health related and skill related fitness test

f) List out risk factors for oesteoporosis

2. Short Answer Questions (Solve any 5 out of 6) : **[5 × 7 = 35]**

a) Discuss the ergonomic evaluation and modifications for surgeon

b) Write approaches for community-based rehabilitation

c) Discuss anthropometric assessment in obese

d) Discuss the age related changes in nervous system

e) Discuss the role of anganwadi worker

f) Discuss the level of disability prevention

P.T.O

SECTION - B (30 Marks)

3. **Long Answer Questions(Solve any 1 out of 2) :** **[1 × 15 = 15]**

a) Twenty three years old female comes with complaint of low back pain, since 6 months. She is diagnosed with PCOD since 5yrs,she has put on weight since three years. History reveals wrong food habits, BMI is 34 and stressed about fertility. Write down functional diagnosis in ICF format, plan short and long term goals for physiotherapy management.

b) Thirty three years old mother who underwent full term normal delivery 15days back. At present she has dull aching lower back pain,heaviness in both the breast tissues. She has become mother for the first time and found to be practicing inappropriate breast feeding techniques. Give your functional diagnosis in ICF format, plan short term and long term physiotherapy management.

4. **Long Answer Questions (Solve any 1 out of 2) :** **[1 × 15 = 15]**

a) A 45 year old computer engineer working for a MNC, comes with chief complaints of neck and back pain. He has had this problem for 3 months and now the pain is increasing, by resting it relieves the pain. His current problem is disabling him to perform his work.

i) Write down your functional diagnosis

ii) Plan your physiotherapy management

iii) Suggest ergonomic modifications

b) Describe disaster management (Different steps of disaster management cycle and triage approach). Discuss the role of physiotherapists in disaster management.