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51411

# Fourth B.P.T.H. (2012) Examination, Summer - 2023 (Phase - III)
## 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 **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 answer book for all sections.*

## SECTION - "A" SAQ (50 Marks)

1. Short answer question (**any five** out of **six**) : [5 × 3 = 15]
   a) Enumerate red flags and yellow flags signs.
   b) Write components of slump test.
   c) Orthotic prescription for pes planus.
   d) Trendelenburg's sign.
   e) Pathomechanics ofswan neck deformity.
   f) Enumerate causes of painful arc syndrome.

2. Short answer question (**any five** out of **six**) : [5 × 7 = 35]
   a) State indications and contraindications of taping. Describe any 1 taping technique for plantar fasciatis.
   b) Describe structural impairments in sway back posture and Discuss Physiotherapy management for the same.
   c) Discuss Physiotherapy management for grade 2 hamstring strain for national level athlete.
   d) Discuss functional impairments of Infantile Torticollis and discuss physiotherapy management.
   e) Discuss structural impairments and physiotherapy management of grade one Avascular necrosis of femoral head in 40 years old carpenter.
   f) Physiotherapy management of Myositis ossificans post supracondyalar fracture in 8 years old child.

## SECTION - "B" LAQ (30 Marks)

3. Long answer question (**any one** out of **two**) : [1 × 15 = 15]

a) 25 years old male complains of buttock pain since 2 months. He also complains of lower back stiffness which lasts for more than 50 minutes. His blood investigations show positive HLA B27. He works as a clerk in bank. Discuss functional diagnosis along with physiotherapy management with clinical reasoning. [5 + 10 = 15]

b) 59 years old housemaid complains of bilateral knee pain (Rt>Lt) since 6 years. She has difficulty in climbing stairs and sitting cross legged. She is a sole earning member of family of 4. Recently she has stopped working because of knee pain. Discuss ICF along with Physiotherapy management. [5 + 10 = 15]

4. Long answer question (**any one** out of **two**) : [1 × 15 = 15]

a) 62 years old male underwent right sided Bipolar hemi arthroplasty after trans cervical neck femur fracture 3 wks back. Discuss dos and donts. Discuss short term and long term goals along with physiotherapy management. [5 + 5 + 5 = 15]

b) A 27 years old national level cricketer had episodes of recurrent shoulder dislocation of right shoulder for which bankart's operation was done 4 days back. He wants resume his game at the earliest. Discuss ICF along with physiotherapy management. [5 + 10 = 15]

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# Fourth B.P.T.H. (2012) Examination, Summer - 2023 (Phase - III)
## NEURO PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

**Instructions :**
1) *Use **black** ball point pen only.*
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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 answer book for all sections.*

## SECTION - "A" SAQ (50 Marks)

1. Short answer question **(any five out of six) :** **[5 × 3 = 15]**
   a) Classification of Nerve Injuries.
   b) Enumerate any 3 methods to reduce muscle tone.
   c) Clinical features of Brown Sequard Syndrome.
   d) Types of pathological bladders.
   e) Clinical features of Horner's Syndrome.
   f) What is Broca's and Wernicke's aphasia?

2. Short answer question **(any five out of six) :** **[5 × 7 = 35]**
   a) Classify diabetic neuropathy. Write the physiotherapy management for diabetic foot.
   b) Discuss the gross motor milestones till 5 years of age.
   c) Write down the physical traits and neurological impairments seen in Down's Syndrome.
   d) Define motor control. Enumerate the theories of motor control. Explain any 2 in detail.
   e) Classify Motor Neuron disease along with their clinical features.
   f) What is apraxia? Explain its various types with suitable examples.

## SECTION - "B" LAQ (30 Marks)

3. Long answer question (**any one** out of **two**) : [1 × 15 = 15]

a) Discuss ICF and physiotherapy management for a 23 year old male who had a fall one month back while hanging out from a train and sustained a fracture of right clavicle. He was managed conservatively. Since then patient has inability to move his right upper limb and has sensory affection. [7 + 8 = 15]

b) Discuss ICF and Physiotherapy Management for a 35 year old female who is recently diagnosed with a case of Multiple Sclerosis. Presently she suffers from visual disturbances and complains of loss of balance. She is a medical representative and her job requires a lot of travelling. [7 + 8 = 15]

4. Long answer question (**any one** out of **two**) : [1 × 15 = 15]

a) Discuss ICF with short term and long term goals of physiotherapy management for a 45 year old teacher suffering from head injury leading fracture of Rt. Frontal bone and subdural hematoma 15 days back. He has a GCS score of 12 and is hospitalized. [5 + 5 + 5 = 15]

b) Write down ICF with clinical reasoning for a case of Lt. MCA Infarct diagnosed 3 months back. Patient is 55 year old male and he is an auto driver by profession and a chronic diabetic. Plan short and long term goals with treatment strategies for the same. Patient walks independently with the help of a stick but has difficulty carrying out activities of daily living with his upper limb. [5 + 7 + 3 = 15]

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# Fourth B.P.TH. (2012) Examination, Summer - 2023 (Phase - III)
## COMMUNITY PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

***Instructions :*** *1) Use **black** ball point pen only.*
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*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 answer book for all sections.*

## SECTION - "A" SAQ (50 Marks)

**1.** Short answer question (**any five** out of **six**) : **[5 × 3 = 15]**

a) Role of NGO in Community Based Rehabilitation.

b) Types of Osteoporosis.

c) Adverse effects of Immobility in Elderly.

d) Body Mass Index and its uses.

e) Person with disability Act 1995.

f) Enumerate indications for hysterectomy.

**2.** Short answer question (**any five** out of **six**) : **[5 × 7 = 35]**

a) Physiotherapy during Labor.

b) Define ergonomics. Discuss in detail any one ergonomic scale that can be used for assessment of risk of musculoskeletal disorder.

c) Significant of vocational guidance and counseling in rehabilitation.

d) What are the various types of disability ? Write in brief about evaluation of Permanent Physical Impairment of Upper Extremity.

e) Physiological variation associated with menopause.

f) Age related changes in sensory motor system.

## SECTION - "B" LAQ (30 Marks) 12

3. Long answer question (**any one out of two**) : [1 × 15 = 15]

   a) Enumerate different causes of falls in elderly people. Discuss rehabilitation of a 72 years old male patient with a history of two falls in last one year and a positive fear of fall. [5 + 10 = 15]

   b) Discuss the various complications that can be seen in the post natal period & their management. [7 + 8 = 15]

4. Long answer question (**any one out of two**) : [1 × 15 = 15]

   a) Define work hardening and work conditioning. Enumerate various environmental stresses in industrial setup. Describe in brief mechanical stresses experienced by a watchman who needs to stand constantly. [5 + 3 + 7 = 15]

   b) Define rehabilitation. Importance of team effort in Community Based Rehabilitation . Differentiate between Community Based Rehabilitation and Institutional Based Rehabilitation. [2 + 3 + 10 = 15]

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# Fourth B.P.T.H. (2012) Examination, Summer - 2023 (Phase - III)
## CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
## (Including Critical Care)

Total Duration : 3 Hours

Total Marks : 80

**Instructions :**
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7) *Use a common answer book for all sections.*

## SECTION - "A" SAQ (50 Marks)

**1.** Short answer question (**any five** out of **six**) : **[5 × 3 = 15]**

a) Enumerate three incisions used in thoracic surgery along with soft tissue dissected.

b) Write normal and abnormal grades of Ankle-Brachial Index.

c) Write three relative and absolute contraindications for exercise stress testing.

d) Three types of bandages used for lymphoedema.

e) Enumerate three causes of altered ventilation perfusion ratio.

f) Write various methods of delivery of oxygen therapy.

**2.** Short answer question (**any five** out of **six**) : **[5 × 7 = 35]**

a) Describe Active Cycle of Breathing Technique. Give its physiological principle, indication and contraindication.

b) Write various methods of measuring exercise intensity.

c) Physiotherapy management following exploratory laparotomy.

d) Patient education for lifestyle disorders.

e) Breathing retraining.

f) Physiotherapy management following pneumonectomy.

## SECTION - "B" LAQ (30 Marks)

3. Long answer question (**any one out of two**) : **[1 × 15 = 15]**

a) A 12 years old boy is diagnosed as a case of an allergic bronchial asthma. He stays absent in winter and rainy season. since past one month his frequency of exacerbation has increased with 3 emergency visit. Discuss ICF with short term and long term management goals.

b) A 50 years old female school teacher was admitted in hospital for chest pain with hypertension. He was conservatively treated. Discuss Functional Diagnosis and physiotherapy management.

4. Long answer question (**any one out of two**) : **[1 × 15 = 15]**

a) A 60 years old male has undergone an unilateral above knee amputation 1 month back due to uncontrolled diabetes. He has to climb one floor and stays alone. Discuss ICF and short term and long physiotherapy management.

b) A 45 year old school teacher is admitted as GBS and is on mechanical ventilator SIMV mode with PEEP6 and Fi O2 of 0.4. Discuss his Impairments and ventilator management.

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