



Fourth B.P.Th. (2012) Examination, Winter -2020  
**NEURO PHYSIOTHERAPY**

Total Duration : Section A+B = 3 Hours

Total Marks.. 80

**SECTION - A & SECTION-B**

- Instructions :**
- 1) Use **blue/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 (SAQ) (50 Marks)**

1. Short answer question (**any five** out of six) : [5 × 3 = 15]
- a) Write the Hoehn and Yahr scale.
  - b) Enlist types of pathological bladders.
  - c) Write clinical features of hydrocephalus.
  - d) Write clinical features of spinal shock.
  - e) Describe in brief any one primitive reflex.
  - f) Enumerate cortical reflexes.

2. Short answer question (**any five** out of six): [5 × 7 = 35]
- a) Describe physiotherapy management of spasticity.
  - b) Write the clinical features of Multiple Sclerosis. Describe physiotherapy management of the same.

- e) Thoracic outlet syndrome-differential diagnosis and PT management.  
 f) Causes, diagnosis and PT management of patello-femoral pain syndrome.

**SECTION - B (LAQ) (30 Marks)**

3. Long answer question (**any one** out of two): [1 × 15 = 15]
- a) A 45 years female clerk referred to physiotherapy department. She is suffering from neck pain which is radiating to Right arm. She had the same problem 6 months ago and the pain that time was subsided by medication. Now the symptoms are worsening and she is on medical leave.
- i) Write down the ICF [3]  
 ii) Discuss the differential diagnosis [5]  
 iii) Discuss short term & long term goals and Physiotherapy Management [7]
- b) 39 years old female referred to physical therapy department with complaints of pain, swelling and stiffness in joints of wrist and hands of both sides since 1 year.
- i) Write down ICF [3]  
 ii) Discuss differential diagnosis [4]  
 iii) Discuss short term & long term goals and physiotherapy management [8]
4. Long answer question (**any one** out of two) : [1 × 15 = 15]
- a) A 65 year old female suffering from severe pain, morning stiffness at right knee joint, difficulty in climbing stairs, difficulty in squatting. She could not get relief by conservative management. She was advised to do TKR of right side and admitted in hospital.
- i) Describe pre-operative physiotherapy management [5]  
 ii) Write down post operative assessment [5]  
 iii) Prepare physiotherapy protocol from Day-1 to Day-5 [5]
- b) A 70 year old male patient referred to physiotherapy department who under gone hemiarthroplasty of right hip last day. Presently he complains of pain at the suture site.
- i) Write down ICF [4]  
 ii) List the Do's and Don'ts following hemiarthroplasty. [3]  
 iii) Discuss the goals and physiotherapy management. [8]

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A 5 years old boy was brought to the PT department with complains of repeated falls since past 2 years. His parents complain that he is unable to keep pace with his daily activities as compared to children of his age. He also has difficulty in getting up from sitting position. His maternal cousin also suffers from the same problems.

- i) Discuss ICF with clinical reasoning. [5]
- ii) Discuss short term and long term goals of physiotherapy management in detail. [10]



[Total No. of Pages : 2

**Fourth B.P.T.H. (2012) Examination, (Phase - III) Winter  
NEURO PHYSIOTHERAPY**



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Total Marks : 80

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

1. Short answer question (**any five out of six**) : [5 × 3 = 15]
- ~~a)~~ Sunderland's classification of nerve injuries.
  - ~~b)~~ Ankle Foot Orthosis.
  - ~~c)~~ Enumerate three function of Basal ganglia.
  - ~~d)~~ What is Autonomic Dysreflexia?
  - ~~e)~~ Enumerate three difference between UMN & LMN lesions.
  - ~~f)~~ Write Modified Ashworth Scale.

2. Short answer question (**any five out of six**) : [5 × 7 = 35]
- ~~a)~~ Physiotherapy management for Neuropathic pain.
  - ~~b)~~ Physiotherapy management for Hydrocephalus.
  - ~~c)~~ Physiotherapy management for BPPV.
  - ~~d)~~ Physiotherapy management for Acute stage GBS.
  - ~~e)~~ Describe Erbs palsy & it's management.
  - ~~f)~~ Physiotherapy management for Spina bifida.



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

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

a) A 65 years old male a retired teacher have difficulty in initiating movement, tremor, rigidity and slowness of gait. Patient diagnosed as Parkinson disease and has difficulty in active daily living.

i) ICF with clinical reasoning. [5]

ii) Physiotherapy short term and long term goals and treatment. [10]

b) A 4 year old boy came to PT department with the clinical features of recurrent falls. He also has difficulty in standing from ground. On examination it was found that his calf muscles were hypertrophied.

i) ICF with clinical reasoning. [5]

ii) Physiotherapy treatment in details. [10]

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

a) A 53 years old male patient, school teacher by occupation developed weakness in left upper and lower limb two days before. Patient diagnosed as hemorrhagic stroke. Patient conscious, oriented, difficulty in standing and walking. Write ICF and detailed PT management.- short term and long term. [5 + 10 = 15]

b) A 19 year old male college student developed weakness in lower limbs 6 days back which then progressed to his upper limbs also. He complained of stomach infection 2 weeks ago. He lives on the 3<sup>rd</sup> floor with lift facility.

i) ICF with reasoning. [5]

ii) Detailed PT management. [10]



Fourth B.P.T.H (2012) Examination, Winter - 2022  
NEURO PHYSIOTHERAPY



Total Duration : 3 Hours

Total Marks : 80

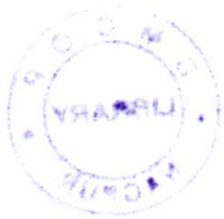
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SECTION - "A" SAQ (50 Marks)

Short answer question (any five out of Six) :

[5 × 3 = 15]

- a) What is Paraplegia in flexion and paraplegia in extension.
- b) Reflexive bladder.
- c) Give 3 etiological factors for cerebral palsy.
- d) Features of UMN lesion.
- e) What is Utthoff's phenomenon?
- f) Clinical features of Increased Intracranial Pressure.



2. Short answer question (any five out of Six) :

[5 × 7 = 35]

- a) Physiotherapy Management of Myelomeningocele at lumbar level.
- b) What is Leprous neuritis? Discuss the clinical features of Lepromatous Leprosy in detail.
- c) Define PPRP. Describe any 3 deformities seen in PPRP in detail.
- d) What is Duchenne's muscular Dystrophy. Discuss the principles of physiotherapy management for the same.
- e) Classification of diabetic neuropathy. Write the physiotherapy management for diabetic foot.
- f) Trigeminal neuralgia clinical symptoms and physiotherapy management in detail.

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

3. Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Write ICF with clinical reasoning of a 5 year old athetoid Cerebral palsy girl, she is able to maintain independent sitting but is unable to stand. She attends school regularly. Parents are financially sound and motivated for therapy. Formulate the short term goals with Physiotherapy management (5+7+3=15)
- b) Write ICF and physiotherapy management with short term and long term goals for 29 year old unmarried female executive working in a multinational company who was diagnosed as a case of Pott's spine at the level of T10 to T12 and has weakness of lower limbs with inability to walk. She has completed her course of AKT treatment. (5+7+3=15)

Long answer question (any one out of two) :

[1 × 15 = 15]

- a) Discuss ICF and physiotherapy management for a 65 year old retired male who suffered from right cerebellar stroke 3 months back. He complains of weakness and loss of balance. He is also a known case of diabetes since past 10 years. He has a Berg's Balance score of 38. (7+8=15)
- b) Discuss ICF and physiotherapy management for a 64 year old retired female housewife suffering from Parkinson's disease since 3 years. Patient is graded 3 on Yahr scale. (7+8=15)





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**Fourth B.P.Th. (2012) Examination, (Phase - III) Winter - 2024**  
**NEURO PHYSIOTHERAPY**

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**SECTION - A SAQ (50 Marks)**

1. **Short Answer Questions (Solve any five out of six).** [5×3=15]
  - a) Enlist three features of Myasthenia Gravis.
  - b) What is Pusher's syndrome?
  - c) Clinical features of Cauda Equina Injuries.
  - d) Signs & Symptoms of Bell's Palsy.
  - e) Define Motor Learning. Enumerate its stages.
  - f) Enumerate different types of Motor Neuron Disease.
2. **Short Answer Questions (Solve any 5 out of six).** [5×7=35]
  - a) Physiotherapy Management in Erb's Palsy.
  - b) Autonomic Dysreflexia - Causes, Symptoms & Intervention.
  - c) Enumerate the tests for assessing vestibular disorders. Explain any two in detail.
  - d) Write about various facilitatory techniques to improve muscle tone.
  - e) Write a note on Management of complications of Duchene's Muscular Dystrophy.
  - f) Define Apraxia. Describe its types in detail.

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**SECTION - B LAQ (30 Marks)**

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

- a) Write ICF with clinical reasoning of a 5 year old athetoid Cerebral palsy girl, she is able to maintain independent sitting but is unable to stand. She attends school regularly. Parents are financially sound and motivated for therapy. Formulate the short term goals with management. [5+7+3]
- b) Discuss ICF with clinical reasoning for a 30 year old male who sustained multiple skull fractures after a road traffic accident 2 weeks back. Patient is currently in the ICU and is conscious with RANCHOS scale level IV. Formulate short term and long term goals of physiotherapy management. [5+7+3]

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

- a) Write ICF and physiotherapy management with short term and long term goals for 20 year old unmarried female diagnosed Friedreich's ataxia since 2 years. She complains of ataxic gait and tremors. She is also having difficulty in fine motor activities and complains of repeated falls. [5+7+3]
- b) Write ICF and physiotherapy management for a 45 yr old male working as a CEO of a leading multinational company, who has weakness of Right side of the body with difficulty in walking and activities of daily living since one month. [7+8]

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