



51412

**Fourth B.P.Th. (2012) Examination, Winter 2016
NEURO PHYSIOTHERAPY**

Total Duration : 3 Hours

Total Marks : 80

- 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 answer book for **all** sections.

SECTION "A" SAQ (50 Marks)

1. Short answer question (**any five** out of six) : **(5x3=15)**
 - a) Enumerate any 3 signs of Upper Motor Lesion.
 - b) Enumerate any three pre natal causes of cerebral palsy.
 - c) What are the components of Glasgow Coma Scale ? Please give 2 clinical conditions where it may be used.
 - d) Enumerate any three facilitatory technique used for treating hypotonia.
 - e) Enumerate any 3 clinical symptoms of Multiple sclerosis.
 - f) Enumerate any 3 Principles of Bobath's neurodevelopmental approach.
2. Short answer question (**any five** out of six) : **(5x7=35)**
 - a) Describe Physiotherapy management of facial palsy with patient education and advice.
 - b) Explain the flaccid and spastic bladder with their PT management.
 - c) Write a answer on gait Craning for Parkinsons disease.
 - d) Describe Physiotherapy management of a Spastic Hand.
 - e) Write a answer on the treatment of cerebellar ataxia.
 - f) Describe Physiotherapy management of Meningomyelocele.

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SECTION "B" LAO (30 Marks)

3. Long answer question (**any one** out of two) : (1x15.15)

- a) Discuss the ICF with clinical reasoning and short term Rehabilitation goals and techniques of a 35 years old shopkeeper, who suffered Rt. sided Erb's Palsy during a road traffic accident 5 months back. He complains of difficulty in using his right upper extremity. He has a dependent wife and 2 children. (7+ 8)
- b) A 20 years old student suffering from Guillain- barre syndrome was admitted in ICU for respiratory involvement for last 5 days. After plasmaphoresis he has shown improvement and is now shifted in the ward. He is presently able to roll and sit but has difficulty in standing. Discuss ICF with clinical reasoning with short term PT goals with management. (7+ 8)

4. Long answer question (**any one** out of two) : (1 x1 5=15)

- a) A 29 years old male teacher, who belongs to the middle class and has one child and a non working spouse is diagnosed with Amyotrophic lateral sclerosis 4 months back. He complains of difficulty in writing on the board and fatigue along with difficulty in standing for prolonged period of time. Describe functional impairments with clinical reasoning short and long term PT management. (7+4 +4)
- b) A 5 years old school going boy, only son of his parents comes with complain of frequent fall and difficulty to stand up from floor. His calf muscles are appear enlarged. He is diagnosed as a case of DMD. In view of the above, Please explain the following :

Give parental advice for home care. Discuss functional impairments with clinical reasoning with short term treatment plan. (3+5+7)