

**Fourth B.P.Th. (Old/New) Examination, Summer 2012**  
**PHYSIOTHERAPY IN NEURO-SCIENCES**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

**SECTION – B & SECTION – C**

- Instructions :**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) 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.

**SECTION – B**

2. Answer the following (any five out of six) :

(5×3=15)

- 1) Discuss three signs of Down's syndrome.
- 2) Discuss Gower's sign.
- 3) Vestibular ball.
- 4) Dynamic cock up splint
- 5) Define righting reaction. Give 2 examples of it.
- 6) Write a note on three clinical features of syringomyelia.

3. Answer the following (any three out of four) :

(3×5=15)

- 1) P.T. management of patient suffering from sensory ataxia
- 2) Enumerate causes of autonomous bladder. Discuss management in detail
- 3) Discuss gait training in Parkinson's disease.
- 4) Discuss the five different orthosis used in management of DMD with rationale behind it.

P.T.O.

**SECTION - C**

4. A 60 yr. old man reports to physiotherapy department with complaints of difficulty in initiating movements, slowness of movements, difficulty in turning and maintaining balance in standing. Patient also complains of tremors on rest. Write functional diagnosis with clinical reasoning. Write in detail PT management and goals for the same. (1×15=15)
5. A 4 yr. old boy is brought to P.T. dept. by his parents with complaints of repeated falls while walking, difficulty to climb stairs. He has hypertrophy of both calves, also demonstrates difficulty in getting up from floor. His maternal cousin is 8 yr. old and he also complains of difficulty in ambulation. Write ICIDH<sub>2</sub>, discuss short term and long term goals with P.T. management for them. (1×15=15)

**OR**

5. A 60 yr. old retired school teacher staying with her husband, married son and daughter in law on 1<sup>st</sup> floor apartment complaints of weakness in right upper limb and lower limb since last three weeks. She has history of HTN and DM. She gave history of sudden onset of weakness prior to which she had severe headache. Write ICIDH<sub>2</sub>, discuss short term and long term goals with P.T. management for them.