



Fourth B.P.Th. (Revised) 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)

- (a) Meryon's sign
- (b) Glasgow Coma Scale
- (c) Enumerate six clinical features of cerebellar ataxia
- (d) Ankle foot orthosis
- (e) Discuss body on body reaction in detail with its clinical application
- (f) Application of Equilibrium board in neuro rehabilitation.

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

(3×5=15)

- (a) Explain physiotherapy management in acute stage of paraplegia.
- (b) Write mainstay of P.T. Management of MND.
- (c) Write a short note on physiotherapy management in radial nerve palsy.
- (d) Causes of damage to insensitive feet and its PT management.



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SECTION - C

(30 Marks)

4. A 34 year old bank manager suffered a spinal cord injury at T6 level 6 months ago. His spine is surgically stabilised and he is now able to sit without support. He has come to you for further rehabilitation including gait training. What is his ICF? Discuss his short term and long term goals. (1x15=15)
5. a) A 10 year old boy comes to you with complains of frequent falls and difficulty to stand up from floor. Both his calf muscles are hypertrophied. He is the only son of his parents. Discuss his ICF and give his short term and long term treatment plan. (1x15=15)

OR

5. b) A 25 year old computer operator suffered Guillian Barre syndrome 2 weeks ago. He was in ICU on ventilator for 2 days. He underwent plasmaphoresis following which he showed improvement. Currently he is in wards and is able to roll and sit in bed with difficulty. Discuss his ICF and give his short term and long term treatment plan. (1x15=15)