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Fourth B.P.Th. (2012) Examination, Summer - 2021
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) What is Kernigs and Brudzinski sign.
- b) Enlist the types of Motor neuron disease.
- c) Give any one classification of nerve injuries.
- d) Enlist features of autonomic dysreflexia.
- e) Write the stages of motor learning.
- f) Asymmetrical Tonic Neck Reflex.

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

[5 × 7 = 35]

- a) Describe the physiotherapy management of Reflex sympathetic dystrophy.
- b) Define motor control. Enumerate the theories of motor control. Explain any 2 in detail.
- c) Discuss gross motor and fine motor milestones up to age 3 years.

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- d) Classify neurological bladder. Write assessment and physiotherapy management of any 1 in detail.
- e) Discuss the clinical features and physiotherapy management of Erb's paralysis.
- f) Write down the characteristics and physiotherapy management of hemiplegic gait.

SECTION-B LAQ (30 Marks)

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

- a) A 40 year old female known case of diabetes and hypertension is diagnosed with Left ACA infarct 2 months back. At present she has grade 2 spasticity in her right upper and lower limbs. She stays on the second floor without lift facility. She is a housewife and has a family of 3 people.

- i) Write ICF with clinical reasoning. [5]

- ii) Describe short term and long term Physiotherapy Interventions in details. [10]

- b) Discuss ICF with clinical reasoning and detailed physiotherapy management for a 30 year old female patient who is a case of acute transverse myelitis at the level of T10 vertebrae. [5+10]

4. 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 regular school. Formulate the short term and long term goals of management. [5+5+5=15]

- b) Discuss ICF with clinical reasoning for a 65 year old retired male clerk suffering from Parkinson's disease for last 3 years. He currently is on medications. He is graded 3 on Yahr scale. Write short term and long term goals of physiotherapy management in detail. [5+5+5=15]