

Registration No:

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Total Number of Pages: 01

Course: MPT

SUBJECT NAME: PT in speciality area (Neurology)

SUB\_CODE: 23MPT1N1

(1<sup>st</sup> Year MPT) Examination: Regular 2024-25 & Supplementary 2023-24 (Admitted Batch)

BRANCH: Allied Science MPT

Q. CODE: A339

Max Time: 3 Hours

Max Marks: 80

Sitting: 1<sup>st</sup>, 10.00 AM to 1.00 PM

Any Question having parts should be answered as whole at one place only.

Illustrate answer with diagrams wherever relevant / required if any)

Long Answer questions (any four out of six)

- Q 1 Describe the neurophysiology of balance and equilibrium of human body (1 x 15 Marks)
- Q 2 Write about the physiology of motor learning elaborately and classify motor tasks (1 x 15 Marks)
- Q 3 Explain the pathology and clinical features of Parkinson's disease (1 x 15 Marks)
- Q 4 Describe various reflexes from birth to three years of age in motor development (1 x 15 Marks)
- Q 5 Explain anatomy and physiology of the Circle of Willis (1 x 15 Marks)
- Q 6 Discuss about the various theories of motor control (1 x 15 Marks)
- Q 7 Short answer questions (any five out of eight) (5 x 4 Marks)

- a) Explain neuroplasticity
- b) Explain variation in motor task of ascending steps across different stages of development
- c) Define and write about health behaviour
- d) Write about the clinical features of Myelomeningocele
- e) Describe the physiology of cerebrospinal fluid
- f) Describe the pathology of Amyotrophic lateral Sclerosis (ALS)
- g) Write about pathology of peripheral nerve injury
- h) Physiology of parasympathetic nervous system

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