

# P P SAVANI UNIVERSITY

Seventh Semester of B.P.T Examination

January 2022

SPPT4022 Physiotherapy in Neurology-II

29.01.2022, Saturday

Time: 09:30 a.m. To 12:30 p.m.

Maximum Marks: 70

**Instructions:**

1. The question paper comprises of two sections.
2. Section I and II must be attempted in separate answer sheets.
3. Make suitable assumptions and draw neat figures wherever required.
4. Use of scientific calculator is allowed.

**SECTION - I**

- Q - 1** Essay Question (Any One) [10]
- (i) What are Causes, Types and Pathophysiology of Multiple Sclerosis? Describe a Physiotherapy Treatment Protocol for 55 years old male suffering from Multiple Sclerosis. (5 Marks + 5 Marks)
- (ii) Explain the difference between Cerebellar Ataxia and Sensory Ataxia. Discuss in detail about Frenkel' s exercises. (3 Marks + 7 Marks)
- Q - 2** Short Note (Any Two) [10]
- (i) Circumductory Gait and Strategies to correct it. (2 Marks +3 Marks)
- (ii) Post-Surgical Physiotherapy Treatment in Neurological Conditions
- (iii) Transverse Myelitis and it's Management (2 Marks + 3 Marks)
- Q - 3** Very Short Notes (Any Five) [15]
- (i) Types of Nerve Injury and Factors affecting Nerve Healing. (1 Mark + 2 Marks)
- (ii) Carpal Tunnel Syndrome
- (iii) Peroneal Nerve Injury
- (iv) Management for Spasticity
- (v) Explain Festinating Gait
- (vi) Write all Anatomical Structures influencing and maintaining muscle tone
- (vii) Management for Erb's Palsy

**SECTION - II**

- Q - 1** Essay Question (Any One) **[10]**
- (i) Discuss in detail about Physiotherapy Assessment and Management of Poliomyelitis (5+5)
  - (ii) Write about Principles and explain theories of motor control (2+8)
- Q - 2** Short Note (Any Two) **[10]**
- (i) Assessment of 7th and 8th cranial nerve palsy (2.5+2.5)
  - (ii) Explain the stages of Motor relearning with example. (3+2)
  - (iii) Explain CIMT with its application in patient problems. (2+3)
- Q - 3** Very Short Notes (Any Five) **[15]**
- (i) Sensory re-education.
  - (ii) Various motor facilitatory techniques
  - (iii) Vojta therapy and its significance
  - (iv) Explain: Dyslexia, Dysgraphia, Dyscalculia
  - (v) Autistic spectrum disorder
  - (vi) Consequences of encephalitis
  - (vii) Physiotherapeutic management for chorea-athetoid movement disorder

\*\*\*\*\*