



DCK-202107

Seat No. _____

Final Year B. P. T. Examination

July - 2022

Physiotherapy in Neurological Conditions

(New Course)

Time : 3 Hours]

[Total Marks : 80

SECTION - I

1 Long answers any one : 1×10=10

- (a) What are higher functions? Describe in detail the assessment of one higher function.
- (b) Describe the general principles of Bobath concept of neuro-rehabilitation.

2 Write short notes on any three : 3×5=15

- (a) Protective reflexes
- (b) Neurogenic pattern in EMG
- (c) Encephalitis.
- (d) What are the risk factors for spina bifida? Name the different types of spina bifida.

3 Write short answers to any 5 : 5×3=15

- (a) Classify cranial nerves based on its function.
- (b) What is Dejerine-Sottas disease?
- (c) Define Dysarthria, and Dysphagia.
- (d) What is a Charcot's triad?
- (e) Name any 4 muscular dystrophies.
- (f) What is clonus?

SECTION - II

- 4 Long answers any one : **1×10=10**
- (a) Explain the acute care management of severe brain injury.
 - (b) Discuss the gait impairment in patient with Parkinson's disease. Outline the physiotherapy treatment strategies for the same.
- 5 Write short notes on any three : **3×5=15**
- (a) Balance training to improve standing balance.
 - (b) Transverse myelitis
 - (c) Pathophysiology of Multiple sclerosis
 - (d) List out the mobility devices used in rehabilitation of a patient with CP along with their uses.
- 6 Write short answers to any 5 : **5×3=15**
- (a) Facial symptoms of myasthenia gravis
 - (b) Tinel's sign
 - (c) Define high risk infant?
 - (e) Describe Heel-to-shin test?
 - (f) Use of Supramalleolar orthosis.
 - (g) Cause of Down's syndrome.
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