

BACHELOR OF PHYSIOTHERAPY (BPT)
SEMESTER -VI EXAMINATION, SEPTEMBER- 2026

CLINICAL NEUROLOGY & NEURO SURGERY

[Time allotted: Three Hours]

[Max Marks: 100]

Note: Read all the instructions carefully

Answer all questions in serial order. Draw suitable diagrams wherever necessary

Q. 1. Objective type questions: (Attempt All)

(10 x 02 = 20)

(Very short/ short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- | | |
|---|--|
| <p>a. Spasticity occurs in the lesion of</p> <ol style="list-style-type: none"> i. Pyramidal tract ii. Extrapyramidal tract iii. Spinothalamic tract iv. Corticospinal tract <p>b. Foot drop is caused by injury of which of the following nerve?</p> <ol style="list-style-type: none"> i. Tibial nerve ii. Sciatic nerve iii. Common peroneal nerve iv. Femoral Nerve <p>c. The cardinal signs of Parkinson disease is.....</p> <ol style="list-style-type: none"> i. Festinating gait ii. Rigidity iii. Expressionless face iv. Intention tremor <p>d. What is the name of tendon transfer done in radial nerve injury?</p> <ol style="list-style-type: none"> i. Jones transfer ii. Fowlers technique iii. Opponensplaty iv. Camitz Procedure <p>e. What is the characteristic clinical feature of acute poliomyelitis?</p> <ol style="list-style-type: none"> i. Bilateral ascending paralysis ii. Flaccid paralysis with absent reflexes iii. Sensory loss with spastic paralysis iv. Ataxia with nystagmus | <p>f. Nerve Root of knee extension is</p> <ol style="list-style-type: none"> i. L2, L3 ii. L3, L4 iii. L4, L5 iv. L5, S1 <p>g. Cranial nerve I, II, VIII are.....</p> <ol style="list-style-type: none"> i. Pure motor ii. Mixed iii. Pure sensory iv. Autonomus <p>h. In Rinne's test ,.....conduction is better than conduction</p> <ol style="list-style-type: none"> i. Air, bone ii. Bone, air iii. Muscle, Air iv. Air, Muscle <p>i. Agnosia, dyscalculia, agraphia are seen in..... lobe lesion.</p> <ol style="list-style-type: none"> i. Frontal ii. Parietal iii. Occipital iv. Temporal <p>j. In infants, which clinical sign is commonly associated with hydrocephalus due to the expansion of the skull?</p> <ol style="list-style-type: none"> i. Macrocephaly ii. Microcephaly iii. Facial asymmetry iv. Strabismus |
|---|--|

Q. 2. Short notes/ Short answer type questions (Attempt any Five)

(05 x 04 = 20)

- | | |
|--|--------|
| a. Write the pathophysiology of Parkinson's disease | CO2PO1 |
| b. Write about lumbar puncture (Level, significance) | CO3PO5 |
| c. Tumors of spinal cord (Name, investigations) | CO2PO5 |
| d. Functions of parietal and temporal lobe | CO3PO9 |
| e. Differences between MRI and CT | CO5PO4 |
| f. Write about Glasgow coma scale | CO5PO2 |
| g. Causes of cerebral palsy | CO2PO5 |

Q. 3. Structured questions (Attempt any Three)

(03 x 10 = 30)

- | | |
|--|--------|
| a. Differentiate between central and peripheral vertigo. Write about physiology of hearing. Write about examination and investigation done in hearing loss | CO5PO |
| b. Define craniotomy. Write indications and contraindications of burr hole surgery .What are the complications of shunting | CO2PO1 |
| c. Define stroke. Write about risk factors of it. What are the various symptom occurring due to occlusion of different arteries | CO4PO3 |
| d. What are the various syndromes in spinal cord injury ?Write about bladder and bowel dysfunction .Write about medical management of paraplegia | CO4PO2 |

Q. 4. Long Answer/ Essay type questions (Attempt any Two)

(02 x 15 = 30)

- | | |
|--|--------|
| a. Write in detail about causes and classification of head injury. Explain medical management in such condition. | CO4PO4 |
| b. Write assessment of visual function. Explain disorders of optic nerve and eye movement | CO2PO5 |
| c. Explain pathophysiology of Myasthenia gravis. Write in detail medical management and differential diagnosis of same | CO2PO1 |