

NEUROSURGERY (Part 2)

PAPER – I

Time : 3 hours
Max. Marks : 100

NS 2/D/10/21/I

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. Histomorphology of Pineal tumors.
2. Anatomical basis of various field defects.
3. Cysterns at the base of brain.
4. Neurophysiological basis of decerebrate rigidity.
5. Intracranial pressure and its recording.
6. Pathophysiology of cerebrospinal fluid dynamics and arrested hydrocephalus.
7. Chemosensitivity markers in brain tumors.
8. Pathophysiology of acute neurogenic pulmonary edema.
9. Pathophysiology of neurogenic bladder.
10. Hypophysio-hypothalamic axis.

NEUROSURGERY (Part 2)

PAPER –II

Time : 3 hours
Max. Marks : 100

NS 2/D/10/21/II

Attempt all questions in order.
Each question carries 10 marks

Write short notes on:

1. Topical haemostatic agents.
2. Ependymoma of Filum.
3. Radiosurgery for benign brain lesions.
4. Management of Low grade Gliomas presenting with epilepsy.
5. Spontaneous cerebrospinal fluid rhinorrhoea.
6. SPECT: Current applications
7. Intracranial Aneurysms: Coiling or clipping.
8. Tumor of posterior pituitary.
9. Post-traumatic epilepsy.
10. P.E.T. (Position Emission Tomography): Current applications.

NEUROSURGERY (Part 2)

PAPER –III

Time : 3 hours
Max. Marks : 100

NS 2/D/10/21/III

Attempt all questions in order.
Each question carries 10 marks.

Write short notes on:

1. Pathology, presentation & management of Colloid Cyst.
2. Management of vestibular Schwannoma: current views.
3. Enumerate techniques, advantages and limitations of minimally invasive surgery of spine.
4. Clinical features, investigations and management of Choroid Plexus Papilloma.
5. Classify odontoid fractures. Write treatment options for type II fractures.
6. Classification and surgical management of ossified posterior longitudinal ligament.
7. Evidence based Neurosurgery.
8. Neural Prosthesis and implants.
9. Endovascular techniques for cerebral vasospasm after subarachnoid hemorrhage.
10. Current management of Malignant Intracranial Hypertension.