

**Write short Notes on:**

1. Carpel Tunnel Syndrome – surgical anatomy.
2. Pathology of missile head injury.
3. Brain herniations – diagnosis and management.
4. Microsurgical anatomy of tentorial hiatus.
5. Higher mental functions.
6. Neural control of urinary bladder.
7. Gate Control theory of Pain.
8. Diffusion tensor imaging – principles & clinical applications.
9. Disconnection syndromes.
10. Histopathology of Astrocytomas.

**Write short Notes on:**

1. Mechanism, radiological & pathological findings in diffuse Axonal injury.
2. Clinical presentation, classification and management of brain stem gliomas
3. Chemotherapy for malignant brain tumors.
4. Management of Giant Aneurysms.
5. Pathophysiology of cervical spondylosis.
6. Pituitary Apoplexy.
7. Classification and surgical treatment of ossified posterior longitudinal ligament.
8. Neurosurgical aspects of HIV infection.
9. Split cord malformations – types & surgical management.
10. Normal pressure Hydrocephalus.

**Write short notes on:**

1. Control of gaze movement of eyes
2. Micturition reflex
3. Melatonin
4. Calcium channels
5. Jugular foramen
6. Auditory pathways
7. Optic chiasm
8. Hypothalamic – hypophyseal axis
9. Spina arc
10. Draw a neat diagram of cavernous sinus

**Write short notes on:**

1. Medulloblastoma – pathology
2. Temporal lobe epilepsy – management
3. Tuberculosis brain abscess – pathology
4. Ocular manifestations of intrinsic brain stem lesions
5. Parietal lobe functions
6. Recurrent meningitis
7. Anterior sacral meningocele
8. Brain protection
9. syringomyelia pathogenesis and treatment
10. Locked –in- syndrome

Write short notes on:

1. Free radicals.
2. Melatonin.
3. Muscle Tone.
4. Fibrinolytic system in neurosurgery.
5. CSF pressure volume curve.
6. Ligaments of craniocervical joints.
7. Anatomy of carpal tunnel.
8. Nuclei of oculomotor nerve.
9. Physiology and anatomy of micturition.
10. Draw a labeled diagram of floor of fourth ventricle.

Write short notes on:

1. Fungal infections of brain
2. Pathogenesis and pathology of growing skull fracture.
3. Surgically treatable causes of dementia.
4. Foster Kennedy Syndrome.
5. Vein of Galen Malformation.
6. Pathogenesis and pathology of cerebral aneurysms.
7. Cerebral protection.
8. Vasospasm – Pathophysiology.
9. Brain stem gliomas – ocular manifestations.
10. Gerstmann's Syndrome.