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BPT 3rd YEAR, ANNUAL EXAMINATION, MAY 2023
NEUROLOGY & NEUROSURGERY (THEORY)
PAPER CODE: BPT – 363

Time: 3 hours

Maximum Marks: 75

(Write your Roll No. on top of the paper immediately)

SECTION – A

Multiple choice Questions (All are compulsory)

(1 × 15 Marks = 15Marks)

1. A brain disorder marked by gradual deterioration of mental capacity, memory impairment and confusion are known as?
 - a. Alzheimer disease
 - b. Cerebral Palsy
 - c. Tourette syndrome
 - d. Myasthenia Gravis
2. Demyelination is defined as?
 - a. Loss of axon in a neuron
 - b. Loss of dendrites in a neuron
 - c. Loss of protective sheath surrounding neurons
 - d. Loss of connective tissue between neurons
3. Which of the following procedure is used to withdraw cerebrospinal fluid?
 - a. Myelography
 - b. Cerebral angioplasty
 - c. Lumbar puncture
 - d. MRI
4. A chronic disease characterized by a loss of the myelin sheath, causing paraesthesia, muscle weakness, and unsteady gait is called?
 - a. Multiple sclerosis
 - b. Cerebral palsy
 - c. Huntington chorea
 - d. Narcolepsy
5. Diminished sensitivity to stimulation is called?
 - a. Hypesthesia
 - b. Anaesthesia
 - c. Bradykinesia
 - d. Hyperesthesia

6. Which of the following is the term for an abnormal accumulation of CSF fluid in the brain?
- Huntington disease
 - Hydrocephalus
 - Multiple Sclerosis
 - Spina Bifida
7. Parkinsonism includes combination of the following:
- tremor, bradykinesia & muscles rigidity
 - paresis, anesthesia & muscles spasticity
 - chorea & muscles hypotonia
 - tremor, ataxia & muscles hypotonia
8. The presence of dysarthria suggests damage to cranial nerve:
- V
 - XI
 - XII
 - VIII
9. Meningeal sign is the following:
- Babinski
 - Kernig
 - Lasseg
 - Romberg
10. The presence of ataxia suggests damage to any of the following EXCEPT:
- cerebellar
 - thalamus
 - vestibular nucleus
 - vagal nerve
11. The upper motor neuron impairment produces the following change of muscles tone:
- flaccidity
 - spasticity
 - "Cog wheel" rigidity
 - myoclonia
12. The term 'gliosis' refers to?
- Proliferation of neuroglial tissue in CNS
 - Impairment of sensitivity to touch
 - Inflammation of spinal cord
 - To and fro movements of eyeballs

13. Tabes dorsalis is a term that means?

- a. Terminal portion of the spinal cord and roots of spinal nerves below the first lumbar vertebra
- b. Proliferation of neuroglial tissue in CNS
- c. Disease of CNS, usually caused by syphilis
- d. Rare disease of nervous system, Guillain-Barre syndrome

14. Enumerate the name of any two surgeries used to treat Spasticity

15. Define Shunt

SECTION - B

Answer any **THREE** of the following:

(3 × 10 Marks = 30 Marks)

Q1. Describe Clinical features and types of Spinal Cord Injury?

Q2. Write short note on any two: (5 x 2 = 10 Marks)

- a. Syringomyelia
- b. Guillain-Barre Syndrome
- c. Disorders of Higher Cortical Function
- d. Poliomyelitis

Q3. Describe the clinical features, pathology and syndromes associated with Stroke?

Q4. Explain in detail the common surgeries in Peripheral Nerve Injuries?

SECTION - C

Answer any **TWO** of the following:

(2 × 15 Marks = 30 Marks)

Q1. Explain in detail the clinical features and pathology of Multiple Sclerosis? Also describe the clinical course of Multiple Sclerosis along with its management?

Q2. Describe the common surgeries of the Cranium and Brain?

Q3. Define Cerebral Palsy. Explain in detail types, clinical features, diagnosis and management of Cerebral Palsy?
