



## Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A+' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

### Bachelor's Degree Examination – June 2021 VI Semester

Class : III UG  
Major : Physician Assistant

Time : 3 Hours  
Max. Marks : 100

#### 18BPAC31 Neurology

#### Part A

10 x 1 = 10

#### Choose the Correct Answer

- The central nervous system consists of the CO1 K2
  - Brainstem and the cerebellum
  - Cerebrum and the spinal column
  - Spinal nerves only
  - Brain and spinal cord
- Which is not a function of the cerebrospinal fluid ? CO1 K2
  - It protects the central nervous system
  - It cushions the brain
  - It fills the subarachnoid space
  - It increases pressure at the base of the brain
- Amyloid plaques and neurofibrillary tangles are the hallmark of CO2 K3
  - Alzheimer's disease
  - Amyotrophic lateral sclerosis
  - Ataxia Telangiectasia
  - Autism
- Difficulty speaking and understanding speech is termed CO3K2
  - Apnea
  - Ataxia
  - Aphasia
  - Dyslexia
- The most common form of transient facial paralysis is CO3 K2
  - Alzheimer's disease
  - Transient ischemic attack
  - Bell's palsy
  - Erb's palsy
- All of the following may be associated with Guillain barre syndrome except CO5 K3
  - Weakening or tingling sensation in the legs
  - Weakness in the arms and upper body
  - Nearly complete paralysis
  - First symptom is altered mental status
- Diagnostic test for epilepsy include all of the following except CO2 K3
  - Simple blood tests
  - EEG
  - Brain scan
  - Wada test
- Symptoms of Trigeminal neuralgia may include all of the following except CO5 K2
  - Extreme, Intermittent facial pain in the jaw or cheek
  - Tingling or numbness on oneside of the face
  - Pain triggered by contact with the face or facial movements
  - Inability to swallow
- Huntington's disease is a heritable disorder that involves CO3 K2
  - Sudden paralysis
  - Chorea, loss of cognitive abilities and emotional disturbance
  - Uncontrollable swearing and repetitive actions
  - Inability to recognize faces
- Narcolepsy is a disorder characterised by CO3 K3
  - Narcotic abuse
  - Grandmal seizures
  - Reliance on soporific drugs
  - Inability to regulate sleep wake cycles

**Part B**  
**Answer ALL questions**  
**Each answer should not exceed 400 words or two pages**

**5 x 6 = 30**

- |  |        |
|--|--------|
| 11.a. describe about myasthenia gravis.<br>(or)                        | CO5 K3 |
| 11.b. elaborate about dementia.  | CO4 K3 |
| 12.a. Explain about multiple sclerosis.<br>(or)                        | CO4 K2 |
| 12.b. discuss about delirium.  | CO4 K2 |
| 13.a. Give detailed about Bell's palsy.<br>(or)                        | CO5 K3 |
| 13.b. Trigeminal neuralgia.  | CO5 K3 |
| 14.a. elaborate the lumbar puncture.<br>(or)                           | CO2 K3 |
| 14.b. Explain about the Guillain barre syndrome.                       | CO5 K3 |
| 15.a. write a note on neuro transmitters.<br>(or)                      | CO2 K3 |
| 15.b. write a notes on structure and function of neuromuscular Juncti. | CO1 K3 |

**Part C**  
**Answer ALL questions**  
**Each answer should not exceed 800 words or four pages**

**5 x 12 = 60**

- |   |        |
|---|--------|
| 16.a. what is seizure and epilepsy? Enumerate the triggering factors, classification, cause and clinical features of epilepsy<br>(or) | CO3 K4 |
| 16.b. Explain about the Pathophysiology, risk factors, Clinical features and investigations of stroke                                 | CO3 K3 |
| 17.a. Define the headache, its types. Brief note about each of them<br>(or)   | CO3 K3 |
| 17.b. Discuss the causes, Pathophysiology, Clinical features and treatment of Intracranial pressure                                   | CO3 K3 |
| 18.a. Enumerate the clinical features, investigation and management of motor neuron disease.<br>(or)                                  | CO4 K3 |
| 18.b. Elaborate about the condition Hydrocephalus   | CO4 K3 |
| 19.a. what is Encephalitis? Enumerate the causes, classification, Clinical features and management of Encephalitis<br>(or)            | CO4 K4 |
| 19.b. Discuss the clinical features and management of parkinson's disease   | CO4 K3 |
| 20.a. Elaborate the Meningitis and its management<br>(or)   | CO4 K4 |
| 20.b. Explain Head injury, types and clinical features and management   | CO3 K3 |