

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF
SCIENCE IN NURSING (MEDICAL-SURGICAL NURSING)**

NUMS 846: NEUROLOGY AND NEUROSURGICAL NURSING

STREAMS: Y2S3

TIME: 3 HOURS

DAY/DATE: FRIDAY 06/12/2019

2.30 P.M. – 5.30 P.M.

INSTRUCTIONS:

- **Do not write anything on the question paper.**
- **The paper has four questions. Answer ALL questions.**

1. A middle-aged man is being evaluated at the emergency department having been found unresponsive at home few hours earlier. Upon arrival to the emergency department, he regained consciousness but several minutes later, he became drowsy and had trouble staying awake. He is admitted to the hospital for evaluation and management.
 - (a) Describe the standard diagnostic assessment for the above patient giving rationales. (15 marks)
 - (b) Describe the immediate nursing management of the above patient. (10 marks)
2. Explain the etiology, clinical presentation and management of the following neurological conditions:
 - (a) Brain abscess (7 marks)
 - (b) Multiple Sclerosis (7 marks)
 - (c) Guillain Barre syndrome (7 marks)
 - (d) State four (4) common predisposing factors for neurological infections. (4 marks)
3. Cerebrovascular disease is the most common cause of physical disability and one of the leading causes of premature death:

- (a) Describe the modifiable risk factors for cerebrovascular disease. (10 marks)
 - (b) Describe the pathophysiology, clinical manifestations and medical management of ischemic stroke. (15 marks)
4. Discuss the collaborative management of an adult patient with severe head injury during the first day of care. (25 marks)
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