

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

SECOND YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTERS OF SCIENCE IN NURSING (MEDICAL SURGICAL NURSING)

NUMS 846: NEUROLOGY AND NEUROSURGICAL NURSING

STREAMS: MSC (NURS) Y2S3

TIME:3 HOURS

DAY/DATE: MONDAY03/12/2018

2.30 PM – 5.30 PM

INSTRUCTIONS:

- **Do not write anything on the question paper**
- **The paper has five questions. Answer Questions One and any Three other Questions**

1. A 54-year-old man with diabetes mellitus presents with fever, headache and altered sensorium. On physical exam his temperature is 40.2°C, heart rate is 103 beats/min, blood pressure is 84/52 mmHg. His neck is stiff and he has photophobia. His cerebrospinal fluid (CSF) examination shows 2100 cells/ μ L, with 100% neutrophils, glucose 10 mg/dL, and protein 78 mg/dL. He is admitted in the medical ward with a diagnosis of bacterial meningitis:
 - (a) Explain the pathophysiology of bacterial meningitis. [10 marks]
 - (b) Discuss the collaborative management of the above patient. [15 marks]

2. A 23-year-old woman is brought to the emergency department after a witnessed generalized tonic-clonic seizure. She has no identifying information, and her past medical history is unknown:
 - (a) Describe her immediate management. [10 marks]
 - (b) Discuss the collaborative management of epilepsy in adults . [15 marks]

3. Discuss the management of the patient with cerebrovascular disease under the following subheadings:
 - (a) Causes and management of cerebrovascular insufficiency. [10 marks]

- (b) Specific nursing management of the patient with stroke. [15 marks]
4. Discuss the perioperative nursing management of the adult patient undergoing neural surgery. [25 marks]
5. Discuss the collaborative management of an adult patient with severe head injury during the first day care. [25 marks]
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