

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATION

RESIT/SUPPLEMENTARY / SPECIAL EXAMINATIONS EXAMINATION FOR THE AWARD OF DEGREE OF MASTERS OF SCIENCE (NURSING)

NUMS 825: ADVANCED PATHOPHYSIOLOGY II

STREAMS: MSc Nursing (Y1T3)

TIME: 3 HOURS

DAY/DATE: WEDNESDAY 5/5/2021

8.30 A.M - 11.30 A.M.

INSTRUCTIONS TO CANDIDATES

- Do not write anything on the question paper.
- Mobile phones and any other reference materials are **NOT** allowed in the examination room.
- The paper has four (4) questions. **ALL** the questions are compulsory
- Number **ALL** your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.

QUESTION ONE

Madam T is admitted in the medical ward with manifestations of dyspnea, palpitations and excessive diaphoresis. On auscultation, wheezes are heard. A diagnosis of emphysema is made.

- a) Explain any five (5) clinical features of obstructive lung disease (10 marks)
- b) Describe the two(2) types of emphysema (10 marks)

QUESTION TWO

Master K, a 6-year-old boy is admitted in the paediatric ward with history of not passing urine in the preceding three days. On inquiry history of sore-throat is elicited.

- a) Discuss four (4) factors that determine the glomerular Filtration rate (8 marks)
- b) Describe four (4) clinical features of nephrotic syndrome indicating the pathophysiology of each (12 marks)

QUESTION THREE

Liver cirrhosis is a common disorder in individuals with history of chronic alcoholism. A common manifestation of this condition is severe jaundice.

- a) Describe the pathophysiology of Jaundice (10 marks)
- b) Explain five (5) clinical manifestations of liver cirrhosis other than jaundice (10 marks)

QUESTION FOUR

World Health Organization (WHO) advocated for universal iodization of salt to eradicate hypothyroidism. This has contributed to a decline in cases of endemic goitre. However, cases of hyperthyroidism persist.

- a) Explain five(5) causes of hyperthyroidism (10 marks)
 - b) Describe the pathophysiology of Graves' disease (10 marks)
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