

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**SECOND YEAR EXAMINATION FOR MASTER OF SCIENCE IN MEDICAL  
SURGICAL NURSING**

**NUMS 844: NEPHRO-UROLOGY NURSING**

**STREAMS: Y2S2**

**TIME: 3 HOURS**

**DAY/DATE : .....**

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**Instructions**

Answer all the questions

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**Question One**

A 64-year-old man with a diagnosis of chronic kidney disease (CKD) is being evaluated at the outpatient medical clinic. He reports no complaints and just checked in for routine follow up. His physical examination is relatively normal:

- a) Define chronic kidney disease (2 marks)
- b) State five (5) common risk factors for CKD (5 marks)
- c) Outline five (5) routine laboratory tests for the above patient giving rationale for each (6 marks)
- d) Describe the standard patient management processes that are known to slow the progression of CKD (12 marks)

**Question Two**

A 50-year-old woman is admitted in the emergency ward with acute kidney injury (AKI):

- a) Describe the standard identification and detection of AKI (10 Marks)
- b) Discuss the collaborative management of the above patient (15 Marks)

**Question Three**

A 64-year-old man with a diagnosis of end-stage renal disease (ESRD) secondary to type II diabetes mellitus and poorly controlled hypertension is being treated with hemodialysis:

- a) State five (5) indications of hemodialysis in the above patient (5 Marks)
- b) Describe the physiological principles of hemodialysis (8 Marks)
- c) Discuss priority nursing interventions for the above patient giving rationales (12 Marks)

**Question Five**

Discuss the perioperative nursing management of the client undergoing transurethral prostatectomy (25 marks)

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