



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**UNIVERSITY VILLAGE, NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA**  
**FACULTY OF HEALTH SCIENCES**  
**DEPARTMENT OF NURSING SCIENCES**  
**2022\_1 EXAMINATION**

**COURSE CODE: NSC402**

**COURSE TITLE – MEDICAL SURGICAL NURSING IV**

**CREDIT UNITS: 4**

**TIME ALLOWED: 3 HOURS**

**TOTAL MARKS: 70%**

**INSTRUCTION: ANSWER ALL THE QUESTIONS**

**Question 1**

- a(i) Differentiate between low vision and blindness 2 marks  
(ii) Enumerate six causes of blindness 3 mark  
(iii) Briefly describe the major categories of blindness that you know 5 marks  
1bi Discuss the management of low vision 5 marks  
(ii) Enumerate ten nursing problems of patient with low vision and blindness 5marks

**Question 2**

Mr Eyiowuawi, a 46-year-old man reported in your unit with history of oliguria, pedal oedema, and puffy facial appearance. After a comprehensive assessment, a diagnosis of renal failure was made.

- a. Describe the functional unit of the kidney 4 marks  
b. Enumerate four general functions of urinary system 4 marks  
c. Discuss the process of urine formation 6 marks  
d. As part of the treatment plan, the physician ordered for renal function test, Highlight 12 nursing responsibilities during these diagnostic evaluation 6 marks

**Question 3**

1. Write short notes on the following;  
i. Respiratory Acidosis  
ii. Respiratory Alkalosis  
iii. Metabolic Acidosis  
iv. Metabolic alkalosis **3 marks each**  
3b Enumerate eight signs and symptoms of fluid and electrolyte imbalances **4 marks**  
3c Highlight four nursing intervention for patient with fluid and electrolyte disorders in renal disease **4 marks**

**Question 4**

- 4a Briefly describe four types of urinary incontinence according to the information relayed by the patient 4 marks  
4b. Highlight four nursing management for patient with voiding dysfunction 4 marks  
4c. List eight classes of conjunctivitis based on the clinical findings 2 marks