

UNIVERSITY OF ESWATINI

FACULTY OF HEALTH SCIENCES

DEPARTMENT OF GENERAL NURSING

FINAL EXAMINATION MAY 2019

COURSE NAME: RENAL TRANSPLANTATION

COURSE CODE: GNS 472

TIME ALLOWED: 2HOURS

PAGES: THREE(3) INCLUDING COVER PAGE

MARKS: 75

INSTRUCTIONS:

- 1. ENSURE YOU ARE WRITING THE EXAMINATION FOR THE COURSE IN WHICH YOU ARE ENROLLED**
- 2. THERE ARE THREE(3) QUESTIONS**
- 3. START EACH QUESTION ON A NEW PAGE**
- 4. WRITE LEGIBLY**

QUESTION 1

- 1.1 What aspects should be considered when approaching a family member to donate an organ? (5)

SCENARIO: Mrs. Malaza 48 years-old diabetes mellitus patient was on haemodialysis treatment for the last five years. She is overweight and has serum cholesterol of 6mmol/l. her daily activities consist of running a day-care centre for small children. She also has a vegetable garden in which she does most of the gardening herself.

- 1.2 Discuss the specific points of emphasis in evaluating Mrs Malaza as a diabetic patient, for a possible renal transplant. (5)

SCENARIO (continued): Mrs. Malaza received one of Mr. Mamba's kidneys. You are in charge of her immediate post-operative care and set objectives to maintain her hydration and cardio-vascular status.

- 1.3 Describe the nursing actions will you perform (with the relevant rationale for each) to attain these objectives. (10)

- 1.4 For the first six (6) hours she maintained a urine output of up to 450ml per hour. Suddenly her output decreases and then stops. What parameters would you assess in this situation before calling the doctor? (5)

TOTAL = 25 MARKS

QUESTION 2

- 2.1 Discuss the factors that are essential in determining a successful transplantation outcome. (10)

- 2.2 Identify the side effects of Cyclosporin A as well as the action you would take to manage each of the side effects. (10)

2.3 Describe how you would take a trough level of Cyclosporin in a patient who takes their doses 12 hourly at 8am and 8pm. (5)

TOTAL= 25 MARKS

QUESTION 3

Scenario: For the first six hours post transport, Gugu maintained a urine output of up to 450ml per hour. Suddenly her output decreases and then stops.

3.1 What parameters would you assess in this situation before calling the doctor? (5)

3.2 Gugu is ready for discharge and you must give her information, taking her circumstances into consideration, with regard to the following aspect:

-prevention of infection

-nutritional consideration (5)

3.3 Briefly describe the sequence of major events taking places during the non-specific acute inflammatory response to cellular damage and foreign antigens. (5)

3.4 Immunosuppression drugs are prescribed to prevent the immune response to damage the transplanted organ. List three main classes of drugs and name one drug in each class, as well as a brief description of the mechanism of action. (10)

TOTAL= 25 MARKS