

WOMEN'S UNIVERSITY IN AFRICA



Addressing gender disparity and fostering equity in University Education

FACULTY OF SOCIAL AND GENDER TRANSFORMATION SCIENCES DEPARTMENT OF FAMILY AND HEALTH SCIENCES

BACHELOR OF SCIENCE HONOURS DEGREE IN EMERGENCY MEDICAL CARE

MAIN PAPER

BEMC 223:

**TRAUMA, FLUID AND ELECTROLYTE
IMBALANCE EMERGENCIES.**

DATE:

JUNE 2023

TIME:

3 HOURS

INSTRUCTIONS TO CANDIDATES

1. Answer any **four** questions
2. All questions carry equal marks.

Question 1.

- a) 'Hypovolemia is a major concern in trauma patients'. Discuss [15]
- b) Discuss the roles of fluid resuscitation in trauma patients. [10]

Question 2.

Critically analyse the evolving strategies that are being used for fluid resuscitation in trauma patients [25]

Question 3.

Discuss traumatic rhabdomyolysis/crush injury under the following headings:

- a) Pathophysiology. [10]
- b) Fluid resuscitation. [10]
- c) Complications. [5]

Question 4.

Examine the types of fluids that can be administered to patients highlighting examples of these and where they can be given. [25]

Question 5.

'You are called in to evacuate a patient who has sustained 65% burns following a house fire. The patients body weight is 70kg'.

- a) Discuss and calculate the fluid requirements of this patient in the first 24 hours.[10]
- b) Discuss ONE of the following electrolyte imbalances that can occur in patients presenting with trauma.
- i) hyperkalaemia [15]
- ii) hyponatremia [15]

END.