

**UNIVERSITY OF SWAZILAND**

**FACULTY OF HEALTH SCIENCES**

**FINAL EXAMINATION DECEMBER 2015**

**TITLE OF PAPER: ADVANCED MEDICAL/SURGICAL NURSING III**

**COURSE CODE: NUR 510**

**TIME ALLOWED: 2 HOURS**

**INSTRUCTIONS:**

- 1. THERE ARE THREE (3) QUESTIONS IN THIS PAPER**
- 2. ANSWER ALL THREE (3) QUESTIONS**
- 3. EACH QUESTION IS ALLOCATED 25 MARKS**
- 4. WRITE LEGIBLE**

**THIS PAPER IS NOT TO BE OPENED UNTIL THE INVIGILATOR HAS  
GRANTED PERMISSION**

### QUESTION 1

**Scenario:** Mary is a 34 year old gravida 2 who is 32 weeks pregnant and is experiencing severe pre-eclampsia and existing heart disease has been admitted to the intensive care unit (ICU) for quality care. As a pregnant woman, there are physiologic changes that have occurred in her body, which you have to be mindful of as you render care to her.

- A. State your two (2) major goals in managing Mary in ICU. (2)
- B. Describe physiologic changes (with rationale) that have occurred to her following systems that will make you pay special attention to her:
  - (i) Cardiovascular (7)
  - (ii) Pulmonary (3)
  - (iii) Endocrine (4)
- C. Differentiate gestational hypertension from pre-eclampsia. (5)
- D. Identify four (4) foetal risks to which Mary's infant is exposed to. (4)

**Total = 25 MARKS**

### QUESTION 2

Sleep is an essential activity for normal body function. Sleep is vital for recovery from illness, particularly among critically ill patients.

- A. Identify important processes that occur during the following stages of sleep:
  - (i) Stage 3 non-rapid eye movement [NREM] (6)
  - (ii) Stage 4 non-rapid eye movement NREM (7)

- B. Describe non-pharmacological nursing interventions by which you will promote sleep in Mr. Xulu who is critically ill because of severe pulmonary impairment. (12)

**Total = 25 MARKS**

### QUESTION 3

**Scenario:** Mr. Mavungu has been in ICU for the past six (6) months following suffering from severe cervical spine injury. Following recovery from the acute phase of his injury he is conscious and being nursed in ICU since he requires mechanical ventilation because of quadriplegia.

- A. Identify five (5) potential complications which Mr. Mavungu is at risk of? (5)
- B. For each of the above potential complications develop nursing diagnoses. (5)
- C. Describe your nursing interventions for the nursing diagnosis. (15)

**Total = 25 MARKS**