

UNIVERSITY OF ESWATINI  
FACULTY OF HEALTH SCIENCES  
DEPARTMENT OF MIDWIFERY SCIENCE  
SUPPLEMENTARY EXAMINATION: JANUARY 2019

TITLE OF PAPER: COMMUNITY BASED MIDWIFERY

COURSE CODE: MID 443

DURATION: 2 HOURS

TOTAL MARKS: 75

INSTRUCTIONS

1. ANSWER ALL QUESTIONS
2. FIGURES IN BRACKETS INDICATES MARKS ALLOCATED FOR EACH OR PART OF QUESTION
3. START EACH QUESTION ON A NEW PAPER
4. USE BULLETS FOR EACH POINT IN YOUR ANSWER WHERE POSSIBLE

THIS PAPER SHOULD NOT BE OPENED UNTIL PERMISSION HAS BEEN GRANTED BY THE INVIGILATOR

### QUESTION 1

- 1.1 As a student midwife you have to follow a pregnant woman into her community in order to improve the quality of care provided to child bearing women throughout child birth. Discuss your roles as a community based midwife that can help improve maternal and neonatal child health (12)
- 1.1.1 Describe challenges that you could encounter while doing community based midwifery (10)
- 1.1.2 In order for the community midwife to be able to provide services in the community he needs participation of all the key person in the community. Discuss the roles of 4 of these key persons in the improvement of maternal and neonatal health (12)
- 1.2 There are approaches that are inherent to family health a community midwife can use in a community. List four of these approaches. (4)

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### QUESTION 2

- 2.1 As a midwife, you become a member of a team of epidemiologist who conduct a survey and found out the cause of perinatal mortality in Mavula Government hospital is as a result of exposure to teratogenic substances around the hospital. You decide to conduct a screening of all the subjects. Validity is one of the elements you consider for your screening program to be successful. Describe two measures of validity (6)
- 2.2 Describe the concepts of causality in epidemiology (6)
- 2.3 Discuss five analytic study designs giving examples to maternal and child health (10)

[22]

### QUESTION 3

You are a midwife working in the strategic unit (M&E) department of the ministry of health. You are asked to compile an end of year report containing key indicators for the country's MNCH program. To carry-out the said task you have to study the data below and answer the questions that follow.

#### DATA FOR A DEVELOPING COUNTRY X IN 2016

Population	1500 000
HIV positive adults	75 000
Number of women 15-44 years	170 000
Live births	60000
Deaths for children < 5 years due to Aids	2 000
Deaths for infants (> 7 days) due to diarrhoea	500
Fresh still births	88
Children under age 5	80 000
HIV sero-conversions among children in 2015	1200
Deaths for woman related to giving birth	60
HIV positive adults in December 2015	50000
Abortions (>28 days)	900
Deaths for infants (>28 days)	1 000
Number of women 15-49 years	200 000

#### Calculate the:

- 3.1 HIV prevalence for Country X in 2016 (3)
- 3.2 HIV incidence rate for country X in 2016 (4)
- 3.3 Peri-natal mortality rate in 2016 (4)
- 3.4 What is the general fertility rate for country X in 2016 (4)

[15]

**Total [75 marks]**