



**NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**FACULTY OF ENVIRONMENTAL SCIENCE**

**DEPARTMENT OF ENVIRONMENTAL HEALTH**

**BACHELOR OF ENVIRONMENTAL SCIENCE HONOURS DEGREE IN PUBLIC HEALTH**

**MATERNAL AND CHILD HEALTH  
EPH 3202**

**Main Examination Paper**

**April 2025**

This examination paper consists of 3 typed pages

**Time Allowed:** 3 hours  
**Total Marks:** 100  
**Special Requirements:** None  
**Examiner's Name:** Mr N Mudonhi

**INSTRUCTIONS**

1. Answer Question **One** in **Section A** and **ANY** other **THREE** questions in **Section B**.
2. Question one carries 40 marks whilst each question in Section B carries 20 marks.
3. Where the question is subdivided, part marks are indicated in brackets at the end of the sub question.

**MARK ALLOCATION**

| <b>QUESTION</b> | <b>MARKS</b> |
|-----------------|--------------|
| 1.              | 40           |
| 2.              | 20           |
| 3.              | 20           |
| 4.              | 20           |
| 5.              | 20           |
| 6.              | 20           |
| <b>TOTAL</b>    | <b>100</b>   |

## SECTION A (40 Marks)

### Question One

Read the following case study on one of the incidence that occurred in Plumtree District Hospital and answer questions 1 (a):

**Zimbabwe Emergency Obstetric & Neonatal Care Plus, Pocket Guide  
Family Health Department 2024, Page 725**

Mrs Ntombizodwa Dube gave birth to her third baby at Plumtree District Hospital two days ago. Her pregnancy, labour, and birth were uncomplicated. She noticed yesterday that her baby's cord looked redish. She has brought the baby to health centre because she is concerned that the cord maybe infected. The health worker observes that the baby has normal colour, normal breathing and that he is breast feeding well. The health worker looks at the umbilical cord. The cord is moist and has some redness around it measuring less than one centimeter. There is no drainage or Bleeding. The Health worker feels the baby's body and determines that the temperature is normal.

- a) Based on the case study, what is the baby's problem and what is your plan of care for Mrs N Dube's baby. [15]
- b) Define and Explain the following terms:
- i. Ectopic Pregnancy, [3]
  - ii. Placenta Privia, [3]
  - iii. Birth Asphyxia and [3]
  - iv. Puerperal Psychosis [3]
  - v. Herd Immunity [3]
- c) Describe cardiopulmonary resuscitation (CPR) procedures among infants [10]

## **SECTION B**

### **Question Two**

Give differences and similarities of Zimbabwean ANC card system with a developed country of your choice [20]

### **Question Three**

Give a detailed account on comparison of complications affecting primi-gravid and multi-parous, as well as mechanisms on their management. [20]

### **Question Four**

Using Patograph, describe its elements and usefulness in maternal health and child care [20]

### **Question Five**

Describe four indicators of good attachment during breast feeding [8]

Justify why some mothers choose formula instead of breast milk and explain its associated risk in postnatal care. [12]

### **Question Six**

Elaborate strengths and weaknesses of Intermittent Treatment (IPTp) 2018 Policy on management of maternal health. [20]