

**UNIVERSITY OF ESWATINI
FACULTY OF HEALTH SCIENCES
MAIN EXAMINATION, JUNE, 2021.**

TITLE OF PAPER: EMBRYOLOGY AND NEONATAL SCIENCE

COURSE CODE: MWF 603

DURATION: THREE (3) HOURS

TOTAL MARKS: 100

INSTRUCTIONS: 1. ANSWER ALL QUESTIONS

2. ALL QUESTIONS CARRY EQUAL MARKS

3. START EACH QUESTION ON A FRESH PAGE

4. READ THE QUESTIONS CAREFULLY

5. FIGURES IN BRACKETS INDICATE MARKS

ALLOCATED TO A QUESTION OR PART OF A QUESTION

6. TOTAL NUMBER OF PAGES THREE (3)

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MAIN EXAMINATION, FEBRUARY, 2021

MWF 603: EMBRYOLOGY AND NEONATAL SCIENCE

QUESTION 1

1.1 Describe the optimal environment needed to environment to promote thermoregulation in preterm neonates. **Consider 5 points.** One mark for each correct point. **(5marks)**

1.2 Outline the WHO, 2015, recommendations on improving interventions for care of low birth weight babies. **Consider 9 points.** One mark for each correct point. **(9 marks)**

1.3 Explain how low birth weight babies can be kept warm to minimize incidence of hypothermia in the following environments.

1.3.1 Hospital. **(3 marks)**

1.3.2 Home **(3 marks)**

1.3.3 Community **(3 marks)**

[25 marks]

QUESTION 2

2.1 Define the Ballard scoring tool. **(1 mark)**

2.2 Explain the features of the new extended Ballard scoring tool. **Consider any 7 points for physical maturity** and **any 5 points for neurological maturity.** Give one (1) example on each feature. **(24 marks)**

[25 marks]

QUESTION 3

Describe the management of high risk preterm neonates and their parents based on **any four midwifery diagnoses** including the planned care (midwifery interventions) and expected outcomes **(25 marks).**

[25 marks]

QUESTION 4

4.1 Describe the management of a neonate suspected to be presenting with neonatal sepsis.

(13 marks)

4.2 Discuss circulatory support in the neonate.

(12 marks)

[25 marks]