



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING & MIDWIFERY SCIENCES
BACHELOR OF SCIENCE IN MIDWIFERY
EXAMINATION- APRIL 2026**

COURSE CODE AND TITLE: BSM 411 Complications of The New Born

DATE: 7TH APRIL 2026

DURATION: 2 HOURS START:09.00 AM FINISH: 11.00 AM

INSTRUCTIONS

1. This exam is out of 70 marks.
2. This Examination comprises THREE Sections. Section I: Multiple Choice Questions (20 marks), Section II: Short Answer Questions (30 marks), and Section III: Long Answer Questions (20 marks)
3. Answer ALL Questions
4. Do not write anything on the question paper
5. Use the back of your booklet for rough work if need be
6. Write your University Registration Number correctly on all pages of the booklet(s) used

SECTION 1 MULTIPLE CHOICE QUESTIONS 20 MARKS

1.. Which one of the medication can precipitate hyperglycemia in neonates?

- a) Insulin
- b) Propranolol
- c) Corticosteroids
- d) Vitamin K

2. Which one of the following is a surgical treatment for hydrocephalus?

- a) Craniotomy
- b) Ventriculoperitoneal (VP) shunt
- c) Lumbar puncture
- d) Skull traction

3. Babies with cleft palate are at risk of:

- a) Visual problems
- b) Heart failure and organ failure
- c) Liver disease and respiratory disease
- d) Ear infection and feeding difficulty

4. Parental counseling after birth of a malformed infant should be:

- a) Delayed indefinitely
- b) Empathetic and informative
- c) Blaming the parents
- d) Avoided to prevent hurting the parents

5. An imperforate anus should first be evaluated by:

- a) Immediate oral feeding
- b) Digital rectal examination only
- c) Careful perineal inspection
- d) Colonoscopy

6. Gastroschisis is characterized by:

- a) Herniation through the umbilical ring covered by peritoneum
- b) Herniation lateral to the umbilicus without a covering sac
- c) Failure of diaphragm formation
- d) Absence of abdominal muscles

7. Which part of the brachial plexus does Klumpke palsy affects ?

- a) Upper trunk
- b) Middle trunk
- c) Lower trunk
- d) Posterior cord

8. Which condition may result from excessive traction during breech delivery?

- a) Erb's palsy
- b) Klumpke palsy
- c) Facial nerve palsy
- d) Caput succedaneum

9. Respiratory Distress Syndrome (RDS) in newborns is primarily caused by:

- A. Pulmonary infection
 - B. Surfactant deficiency
 - C. Congenital heart disease
 - D. Upper airway obstruction
10. Which one of the following denotes very preterm baby;
- A. baby born before 37 completed weeks
 - B. baby born between 28 and less than 32 week
 - C. baby born between 32 to less than 37 weeks
 - D. baby born less than 24 weeks
11. Which clinical sign is most characteristic of RDS in a newborn?
- A. Inspiratory stridor
 - B. Expiratory wheezing
 - C. Grunting respiration
 - D. Cyanosis only during feeding
12. Which maternal factor increases the risk of neonatal asphyxia?
- A. Prolonged labor
 - B. Maternal diabetes
 - C. Maternal anemia
 - D. All of the above
13. Which preventive strategy reduces neonatal sepsis?
- A. Early bathing of newborn
 - B. Hand hygiene in NICU
 - C. Delayed cord clamping only
 - D. Routine antibiotics to all newborns
14. The gold standard for diagnosis of neonatal sepsis is:
- A. Complete blood count
 - B. C-reactive protein
 - C. Blood culture
 - D. Chest X-ray
15. Hypothermia in a newborn is defined as an axillary temperature of:
- A. Below 37.0°C
 - B. Below 36.0°C

- C. Below 36.5°C
- D. Below 35.0°C

16. The following is a severe sign for severe neurological involvement in neonatal seizures;

- A. Recurrent seizures
- B. Apnea
- C. Lethargy
- D. Poor feeding

17. The following is a common metabolic complication seen in neonatal sepsis ;

- A. Hyperglycemia
- B. Hyponatremia
- C. Hypercalcemia
- D. Hypoglycemia

18. Which of the following condition is lumbar puncture used for its diagnosis:

- A. Pneumonia
- B. Septicemia
- C. Meningitis
- D. Necrotizing enterocolitis

19. A newborn who is cold to touch, has poor peripheral perfusion, and a capillary refill time of 4 seconds indicates

- A. Dehydration
- B. Hypoglycemia
- C. Mild infection
- D. Septic shock

SECTION 11 SHORT ANSWER QUESTIONS. 30 MARKS

1. Explain the components of Kangaroo care (6 marks)
2. Explain the management of a baby with fracture humerus (5 marks)
3. Manage a baby with a cord that is discharging pus (5 marks)
4. Describe the steps in neonatal resuscitation (8 marks)
5. Describe infection prevention approaches in the Newborn unit (6 marks)

SECTION 111 LONG ANSWER QUESTIONS 20 MARKS

1. Baby X has been admitted in the newborn care with blood sugar levels of 2.2 mm/l.
 - i. Explain five components of a warm chain (5 marks)
 - ii. Manage baby X (8 marks)
2. A baby has been found dead in his cot. Previous, this baby was doing well and showed no signs/ symptoms of any ill health. Describe the process of breaking the bad news to the parents using the principles of bereavement (7 marks)