



**AMREF INTERNATIONAL UNIVERSITY  
SCHOOL OF MEDICAL SCIENCES  
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES  
KENYA REGISTERED COMMUNITY HEALTH NURSING  
END OF SEMESTER AUGUST 2024 EXAMINATIONS**

**COURSE CODE AND TITLE: DNS 123: MIDWIFERY I**

**DATE: Tuesday 13<sup>th</sup> August 2024**

**TIME: 2 HOURS**

**Start: 0900 HOURS**

**Finish: 1100 HOURS**

**INSTRUCTIONS**

- 1. This exam will be marked out of 70 Marks**
- 2. ALL Questions are compulsory.**
- 3. The Examination has Three Sections: Section I- Multiple Choice Questions, Section II: Short Answer Questions, Section III: Long Essay Questions**
- 4. Answer all Questions in the ANSWER BOOKLET provided**
- 5. Do not write anything on the question paper**
- 6. Use the back of your booklet for rough work if need be.**

**SECTION I: MULTIPLE CHOICE QUESTIONS (20 MARKS)**

1. The biggest part of the uterus is the:
  - A. Body
  - B. Fundus
  - C. Cornua
  - D. Fallopian tube
2. The four arches of vaginal vault forms the:
  - A. Fornices
  - B. vestibule
  - C. Fourchette
  - D. Isthmus
3. The strongest pelvic joint is:
  - A. Symphysis pubis
  - B. Mento vertical
  - C. Sacro coccygeal
  - D. Sacro spinous
4. The ethical principle that bounds patient to refuse or choose their treatment is:
  - A. Beneficence
  - B. Non maleficence
  - C. Respect for autonomy
  - D. Justice
5. Physiological changes in cardiovascular system in pregnancy include:
  - A. Decreased blood volume and heart rate
  - B. Increased stroke volume and heart rate
  - C. Increased blood pressure and heart rate
  - D. Decreased colloid pressure and stroke volume

6. The ligaments that maintain the body of the uterus in anteversion position is:
- A. Broad ligament
  - B. Pubocervical ligament
  - C. Utero sacral ligament
  - D. Transverse ligament
7. In mechanism of normal labour, restitution allows:
- A. The bregma, forehead, face and chin to pass over the perineum
  - B. The head to right itself with the shoulders by untwisting the neck
  - C. The head and the shoulders to emerge in the antero-posterior diameter
  - D. The head emerge under the pubic arch and no longer recede during contraction
6. In normal pregnancy at 20 weeks gestation the fundus is:
- A. At the symphysis pubis
  - B. At the umbilicus
  - C. Two fingers below the umbilicus
  - D. Just above the umbilicus
7. Longitudinal diameter of the fetal skull include:
- A. Sub-mento bregmatic, bi-parietal,
  - B. Mental vertical, bi-temporal
  - C. Bitemporal, bi-parietal
  - D. Sub-occipital bregmatic, mental vertical

8. Fetal eyes, ears and nose develop to form:

- A. Inner cell mass
- B. Endoderm
- C. Mesoderm
- D. Ectoderm

11. Oslander's sign, a probable sign of pregnancy is:

- A. Pulsation at the posterior fornices of the cervix
- B. Softening at the level of isthmus
- C. Ballotment of the fetus
- D. Bluening of the vagina

12. Transverse diameter of the fetal skull include:

- A. Bi-parietal, bi-temporal
- B. Bitemporal, mento-vertical
- C. Occipital frontal, mento-vertical
- D. Bi-parietal, occipital frontal

13. Functional closure of foramen ovale takes place:

- A. 10-96 hours after birth
- B. Within several minutes after birth
- C. One year after birth
- D. 2-3 weeks after birth

14. The difference between cow's milk and human breast milk is that cow's milk contains:

- A. More proteins, less calcium and less carbohydrates
- B. Less proteins, less calcium and more carbohydrates
- C. More proteins, more calcium and less carbohydrates
- D. Less protein, more calcium and more carbohydrates

15. The term presentation means the:

- A. Baby has sunk into the lower uterine segment
- B. Part of the fetus, which lies in the lower pole of the uterus and leads the way
- C. Largest diameters of the fetal skull have passed through the pelvic brim
- D. Part of the fetus used to indicate the position

16. Injection Tramal is preferred for pain relief during labour because it:

- A. Abolishes 95% labour pain offering almost painless labour
- B. Is centrally acting and does not depress respiratory centre of the newborn
- C. Relaxes spasms of the lower uterine segment aiding in cervical dilatation
- D. Sedates the mother during labour

17. The following observations are charted half hourly while monitoring labour using a partograph:

- A. Fetal descent, Cervical dilatation, Moulding
- B. Colour of amniotic fluid, cervical dilatation, fetal descent
- C. Moulding, Uterine contraction, Fetal descent
- D. Fetal heart rate, Colour of amniotic fluid, maternal pulse rate

18. Active Management of Third Stage of Labour (AMSTL) includes:

- A. Early cord clamping, Controlled Cord Traction, delaying oxytocin administration
- B. Administration of Oxytocin, Fundal pressure to deliver placenta, delayed cord clamping
- C. Delayed cord clamping, Oxytocin administration, Controlled Cord Traction
- D. Early cord clamping, Oxytocin administration, Controlled Cord Traction

19. The reflex that causes a baby's toes to spread upon stroking the foot is:

- A. Moro reflex
- B. Babinski reflex
- C. Crossed extension reflex
- D. Deep tendon reflex

20. The primary hormone that stimulates the secretion of milk from the mammary gland is:

- A. Prolactin
- B. Oxytocin
- C. Estrogen
- D. Progesterone

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**SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)**

21. Draw a chart illustrating the Measurements of pelvic canal of true female pelvis  
5 marks
22. State three (3) anatomical variations of the placenta (3marks)
23. State four (4) physiological changes of the skin during pregnancy (4 marks)
24. Outline five (5) presumptive signs of second stage of labor (5marks)
25. Explain the uterine changes that occur during puerperium (6 marks)
26. State three (3) signs of good breastfeeding attachment (3marks)
27. State three (3) minor disorders of the newborn (3marks)

**SECTION III: LONG ANSWER QUESTION (20 MARKS )**

28 . Mrs. Y, para 0+0 attends the antenatal clinic for the first time at 28weeks of gestation

- a) State three (3) objectives of booking an antenatal mother (2 marks)
- b) Describe the history you will gather from Mrs. during this clinic visit (10 marks)
- c) Explain who you will perform leorpods maneuver to Mrs. Y (8 marks)