

**CHUKA**



**UNIVERSITY**

**UNIVERSITY EXAMINATIONS**

**FIRST YEAR EXAMINATIONS FOR THE AWARD OF DEGREE  
OF BACHELOR OF SCIENCE (NURSING)**

**NURS 181: MIDWIFERY I (INTRODUCTION TO MIDWIFERY AND PREGNANCY)**

**STREAMS: BSC (NURS) Y1S2**

**TIME: 3 HOURS**

**DAY/DATE: TUESDAY 7/4/2015**

**8.30 A.M. – 11.30 P.M.**

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**INSTRUCTIONS:**

- 1. Do not write anything on the question paper**
- 2. Mobile phones and any other reference materials are NOT allowed in the examination room**
- 3. ANSWER ALL QUESTIONS**
- 4. Number ALL your answers and indicate the order of appearance in the space provided in the cover page of the examination answer booklet.**
- 5. Write your answer legibly and use your time wisely**

**PART A: MULTIPLE CHOICE QUESTIONS (20 MARKS)**

- The layer in the blastocyst that produces human chorionic gonadotrophin is;
  - Syncytiotrophoblast
  - Cytotrophoblast
  - Mesoderm
  - Ectoderm
- A danger sign during pregnancy is;
  - Reduced fetal movement
  - Labour pains more than 12 hours
  - Placenta not delivered within 30 minutes
  - Cord, arm or leg prolapse

3. Placenta praevia is suspected when there is;
  - (a) Painless bleeding, fetal head engaged
  - (b) Painless bleeding, fetal head is oblique
  - (c) Painful bleeding, presentation is breech
  - (d) Painful bleeding, fetal head not engaged
  
4. An antenatal mother with an history of miscarriage in her first pregnancy after 8 weeks, delivered at term in her 2<sup>nd</sup> pregnancy and the child is alive. She delivered twins at 35 weeks gestation in her 3<sup>rd</sup> pregnancy and the babies died 2 days after birth. This client is:-
  - (a) Gravida 4 para 2
  - (b) Gravida 4 para 3
  - (c) Gravida 3 para 4
  - (d) Gravida 3 para 3
  
5. To relieve heat burn you should suggest to a pregnant woman to:-
  - (a) Cut down on the number of meals she eats
  - (b) Avoid fried foods in her diet
  - (c) Not eat anything 2 or 3 hours before bedtime
  - (d) Lie down after eating
  
6. The layer of the uterus that undergoes monthly regeneration and renewal is the;-
  - (a) Corpus
  - (b) Endometrium
  - (c) Myometrium
  - (d) Perimetrium
  
7. Meiosis begins in all oocytes;-
  - (a) Before birth
  - (b) At birth
  - (c) At menarche
  - (d) After becoming pregnant

8. The hormone that prepares the uterus for implantation of the fertilized ovum and helps maintain pregnancy is;-
- (a) Prolactin
  - (b) Luteinizing hormone
  - (c) Progesterone
  - (d) Oestrogen
9. Maternal mortality ratio is the number of maternal death per;-
- (a) 100,000 lives births
  - (b) 100,000 women of reproductive age
  - (c) 10,000 women of reproductive age
  - (d) 10,000 live births
10. The probable signs of pregnancy include;-
- (a) Fetal heart tones and quickening
  - (b) Hegar's sign and ballottement of fetus
  - (c) Nausea and vomiting
  - (d) Amenorrhea and breast changes
11. Continuous weight increase in pregnancy is an indication of maternal adaptation and fetal growth. Expected increase at 20 weeks gestation is;-
- (a) 12 kgs
  - (b) 8 kgs
  - (c) 6 kgs
  - (d) 2 kgs
12. Psychological anaemia is caused by;-
- (a) Increased plasma volume
  - (b) Reduced red cell mass
  - (c) Reduced iron absorption
  - (d) Increased platelets

13. The activities of the 3<sup>rd</sup> FANC are;-
- (a) Giving second TT, administering second SP, screening for syphilis
  - (b) Checking on individual birth plan, assessing for anaemia, giving second TT
  - (c) Checking on individual birth plan, giving iron and folate, assessing for anaemia
  - (d) Administering second SP, counseling and education, giving second TT
14. The daily carbohydrate requirement for a type 2 diabetes mellitus mother should be increased by;-
- (a) 10-20 gms
  - (b) 20-30 gms
  - (c) 30-40 gms
  - (d) 40-50 gms
15. State if the following statements are TRUE or FALSE in the answer sheet;-
- (a) In pregnancy increase in plasma volume is less than that of the red cells
  - (b) The expected total weight gain in pregnancy at term is 12.5kgs
16. Foetal factors affecting mother to child transmission of HIV include;-
- (a) Prematurity, antiretroviral therapy, mode of delivery
  - (b) Viral load, maternal clinical status, multiple pregnancy
  - (c) Breastfeeding, genetic, behaviour
  - (d) Prematurity, multiple pregnancy, genetic
17. Which of the following is an effect of twin pregnancy;-
- (a) Labour is often preterm
  - (b) Babies tend to be light for date
  - (c) Malpresentation is common
  - (d) All of the above
18. The layers that form the chorionic villi
- (a) Chorionfrondosum, syncitotrophoblast, mesoderm
  - (b) Fetal capillary, intervillous space, cytotrophoblast
  - (c) Syncitotrophoblast, cytotrophoblast, mesoderm
  - (d) Mesoderm, chorion, fetal blood vessel

19. Match the period of foetal gestation in column A with the right development of the foetus in column B

**Column A**

- (a) 4 – 5 weeks
- (b) 12 – 16 weeks

**Column B**

- 1. The heart develops and begins to beat and limbs buds form
  - 2. Meconium is present in the gut
  - 3. The mother feels the foetus movements
  - 4. All major body parts are in place in primitive parts
20. Mrs. Ra, Para 0 + 0 gravida 1 visits antenatal clinic with complaints of increased vaginal discharge. The specific interventions would be;-
- (a) Advice her to bring her partner for investigations, perform urinalysis
  - (b) Exclude possibility of infections, advice on hygiene
  - (c) Advice her to start douching, commence antifungal treatment
  - (d) Advice her to avoid tight inner wears, commence antibacterial therapy

**PART B: SHORT ANSWER QUESTIONS – 40 MARKS**

- 1. Draw a well labeled diagram showing the important land marks of a gynaecoid pelvis. [5 marks]
- 2. State five (5) objectives of focused antenatal care (FANC) [5 marks]
- 3. Explain the four (4) functions of the placenta [6 marks]
- 4. Outline five (5) changes that occur in the cardiovascular system during pregnancy. [5 marks]
- 5. State five (5) ways of recognizing multiple pregnancy [5 marks]
- 6. Outline the role of follicle stimulating hormone in menstrual cycle. [4 marks]
- 7. State four (4) routine tests done on blood during the first antenatal visit. [4 marks]
- 8. Explain how a systematic abdominal examinations performed on an expectant mother. [6 marks]

**PART C: LONG ANSWER QUESTIONS – 40 MARKS**

1. Mrs. K, 20 years, para 0 + 0 is admitted in the ward at 34 weeks with placenta praevia.
- (a) Define placenta praevia [2 marks]
  - (b) Explain three (3) differences between placenta praevia and placenta abruption. [3 marks]
  - (c) Describe the management of Mrs. K till she is term [13 marks]
  - (d) State two (2) complications that Mrs. Mutema may develop. [2 marks]
2. Mrs. M, 30 years para 0+0, is admitted in the ward at 22 weeks with cardiac disease.
- (a) Briefly explain the four (4) grades of cardiac disease. [4 marks]
  - (b) Describe the management of Mrs. M till she is term. [4 marks]
  - (c) List four (4) factors which may predispose Mrs. M to heart failure. [2 marks]
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