

**REPRODUCTIVE HEALTH PAPER ONE (1)**

1. Mary, a 27 year old who has just delivered and the placenta has been expelled presents to you with profuse per vaginal bleeding.

- a) What is the most probable diagnosis? *PPH* (1 mark)
- b) Outline 4 predisposing factors of the above condition (2 marks)
- c) Manage this patient *at least 3 litres - volume of blood - measure vitals - monitor* (7 marks)

2. A 24 year old mother at 38 weeks gestation presents with complains of reduced fetal movement. On examination, the fundal height is term, presentation is cephalic, fetal lie is longitudinal. On examination of the fetal heart, there is tachycardia, reduced fetal heart rate variability, decelerations and absence of acceleration.

- a) What is your probable diagnosis? *non-reassuring fetal status* (1 mark)
- b) Outline 4 causes of this condition (2 marks)
- c) Outline your management *monitoring and then* (7 marks)

3. Michelle at 34 weeks gestation presents with history of tiredness, dizziness and occasional breathlessness on exertion. On examination, her blood pressure is 120/80 mmHg, Hb level is 4gm/dl. She has bilateral pitting pedal oedema and her heart and breath sounds are normal.

- a) What is your provisional diagnosis? *anaemia in pregnancy* (1 mark)
- b) Outline 4 possible causes of her condition *low level of iron* (2 marks)
- c) Discuss her management *management of iron deficiency* (7 marks)

4. Discuss eclampsia under the following sub headings;

- a) Outline six (6) clinical features of impending eclampsia *10 hypotension* (3 marks)
- b) Management of eclampsia at 34 weeks gestation *10 hypotension* (7 marks)

5. Njeri who delivered one week ago through caesarean section complains of painful left lower limb. On examination, the limb is swollen and tender especially at the calf muscle with no visible signs of infection or trauma.

- a) What is the most likely diagnosis *DVT* (1 mark)
- b) Discuss her management *anticoagulation* (7 marks)
- c) Outline 2 possible complications of this condition (2 marks)

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6. Anne at 32 weeks gestation presents with lower abdominal pain and painful micturition. On examination, there is suprapubic tenderness and no abnormal vaginal discharge.

- a) What is the most possible diagnosis *UTI - pyelonephritis* (1 mark)
- b) Outline 4 common offending organisms *E. coli, Klebsiella, Proteus, Pseudomonas* (2 marks)
- c) Discuss the management of this patient *Antibiotics, Analgesics* (7 marks)

7. Discuss family planning under the following subheadings;

- a) Definition *There is one people living in the world of billions by which we can see easy contraceptive methods.* (2 marks)
- b) Classification giving examples *coit, Implantable - Tubal, Injectables - Depo provera, IUD - inserted - Pils, Pills, Coit, Barrier methods.* (4 marks)
- c) Outline 4 side effects of intrauterine contraceptive device (4 marks)

8. Discuss infertility under the following subheadings;

- a) Definition *couple who have been together for 1 year or more but have not conceived.* (2 marks)
- b) couple investigations *serology, semen test, ovulation test to see viability.* (6 marks)
- c) outline 4 possible causes *uterine fibroids, family background.* (2 marks)

9. Discuss maternal mortality under the following subheadings;

- a) causes of maternal mortality in Kenya *in direct, sepsis, eclampsia, haemorrhage, anaemia, malaria, TB, HIV/AIDS.* (4 marks)
- b) outline 4 obstetric complications that lead to mortality *pre-eclampsia, eclampsia, haemorrhage, obstructed labour.* (2 marks)
- c) Preventive measures *Antenatal care, safe birth in hospital, Good diet, Accidents, Family planning.* (4 marks)

10. A 48 year old para 7 + 1 presents to you with history of post coital bleeding and intermenstrual bleeding. Speculum examination reveals fungating growth which bleeds on touch.

- a) What is the probable diagnosis? *Early sex, multiple partners, HPV, Cervical dysplasia, Cervical cancer.* (1 mark)
- b) Outline 6 predisposing factors to the above condition *Early sex, multiple partners, HPV, Cervical dysplasia, Cervical cancer, Anal sex.* (3 marks)
- c) Outline 6 complications *Anal sex, HPV, Cervical dysplasia, Cervical cancer, Anal sex, Anal sex.* (3 marks)
- d) Outline 6 preventive measures *Anal sex, HPV, Cervical dysplasia, Cervical cancer, Anal sex, Anal sex.* (3 marks)