COURSE CODE: HCD 3227
COURSE TITLE: MEDICAL AND VETERINARY ENTOMOLOGY AND PARASITOLOGY
EXAM VENUE: STREAM:
DATE: EXAM SESSION
TIME: 1.5 HOURS

Instructions:

1. Answer all questions in Section A and any other 2 questions in Section B

2. Candidates are advised not to write on the question paper

3. Candidates must hand in their answer booklets to the invigilator while in the examination room
Section A: (30 marks)

Answer all questions

1. List any three methods in which one can be infected with Cryptosporidium parvum (3 marks).
2. List three methods you would use to control Sarcoptes scabiei (3 marks).
3. Name the parasites that cause the following infections (3 marks).
   a) East Coast fever
   b) River blindness
   c) Human African sleeping sickness
4. List any three vectors of medical importance (3 marks).
5. List three hemoflagellates of medical importance (3 marks).
6. Describe a brief life cycle of Trichomonas vaginalis and list methods of controlling it (3 marks).
7. Which three methods would you use to do a diagnosis of Schistosoma mansoni (3 marks)?
8. Leishmaniasis is a common disease in the Baringo area in Kenya. Name the vector that transmits the disease and how you can control this disease. (3 marks).
9. Describe the methods you would use to control and prevent infections with the Diphyllobothrium latum (3 marks).
10. List three methods used to control Pthirus pubis (3 marks)

Section B: (40 Marks)

Answer any two questions

1. Discuss Plasmodium falciparum in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (20 marks)
2. Discuss Ascaris lumbricoides in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (15 marks)
   b) Discuss methods you would you to control Ectoparasites (5 marks)
3. Discuss Entamoeba histolytica in respect to life cycle, symptoms, diagnosis, treatment, control and prevention. (15 marks)
   b) Discuss the transmission of Toxoplasmosis (5 marks)
4. Discuss 5 methods that you would use to control *Glossina morsitans* (10 marks)
   
b) Discuss 5 methods that you would use in diagnosis of parasites of medical importance. (10 marks)