JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DIPLOMA IN COMMUNITY HEALTH AND DEVELOPMENT

1st YEAR 1ST SEMESTER 2019/2020

KISUMU LEARNING CENTRE

COURSE CODE: HDC 2114

COURSE TITLE: INTRODUCTION TO MEDICAL PARASITOLOGY AND ENTOMOLOGY

EXAM VENUE: STREAM: DIPLOMA

DATE: 1/5/19   EXAM SESSION: 9.00 – 10.30AM

TIME: 1.30 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: ANSWER ALL QUESTIONS IN THIS SECTION (30 MARKS)

1) Define the following terms; (3 mks)
   a) Parasitology
   b) Pathogenic parasites
   c) Biological vector
2) Identify the infective stages of the following parasites (3 mks);
   a) Entamoeba histolytica
   b) Ascaris lumbricoides
   c) Taenia saginata
3) Name three locomotory organelles used by protozoans (3 mks)
4) Name the intermediate host for blood flukes (1 mk)
5) Name any three types of asexual reproduction utilized by the parasites (3 mks)
6) State the three major elements of a life cycle (3 mks)
7) Name two parasites transmitted by mosquitoes (2 mks)
8) Name one intestinal and two hemoflagellates (3 mks)
9) List any three associations between organisms (3 mks)
10) Name the route of entry into the human body utilized by the following parasites (3 mks)
    a) Wuchereria bancrofti
    b) Ascaris lumbricoides
    c) Schistosoma mansoni
11) State the source of infection of the following parasites; (3 mks)
    a) Taenia saginata
    b) Toxoplasma gondii
    c) Trichomonas vaginalis

SECTION B: ANSWER ANY TWO QUESTIONS IN THIS SECTION (30 MKS)

1. Describe the mode of transmission, morphology, site of infection, life cycle, treatment and control of infections by Giardia intestinalis (15 mks)
2. Malaria affects children under five years and pregnant women. Plasmodium falciparum is responsible for most of the malaria experienced in Western Kenya. Describe mode of transmission, epidemiology and life cycle and prevention and control of infections by Plasmodium falciparum (15 mks)
3. Discuss on the mode of transmission and parasitic life cycle of Strongyloides stercoralis (15 mks)
4. Describe the life cycle, mode of transmission, prevention and control of Wuchereria bancrofti (15 mks)