

**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND
TECHNOLOGY**

SCHOOL OF HEALTH SCIENCES

**UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN**

COMMUNITY HEALTH AND DEVELOPMENT

2017/2018 ACADEMIC YEAR

KISII LEARNING CENTRE

COURSE CODE: HCD 3227

COURSE TITLE: MEDICAL AND VETERINARY PARASITOLOGY

EXAM VENUE:

STREAM: (BSC .com Dev)

EXAM SESSION: Dec 2018

DATE:

TIME: 2HOURS

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

1. a) Describe the general morphology of cestodes 3mks
- b) Name three medically important Schistosomes 3mks
- c) Briefly explain the following: 3mks
 - i) Disease
 - ii) Biological vector
 - iii) definitive host
- d) Name three ways through which parasites are transmitted 3mks
- e) With reference to parasitism, briefly explain the meaning of the following: 3mks
 - i) Hyperparasite
 - ii) Obligate parasite
 - iv) Accidental parasite
- f) Name three distinctive features of trematodes 3mks
- g) Name three important trematodes of the liver 3mks
- h) Name three haemo-parasites of veterinary importance 3mks
- i) Name three characteristics of the cyclophyllidean cestods 3mks
- j) State any three general features of nematodes 3mks

SECTION B

2.
 - a) Outline the morphological features of *Diphylobothrium latum* 3mks
 - b) Discuss the life cycle of *Diphylobothrium latum* 10mks
 - c) What are the direct effects of *Diphylobothrium latum* in man 3mks
 - d) Prevention and control measures of *Diphylobothrium latum* 4mk
3. a) State the 4 phases of parasitic disease development 4mks
- b) State 4 examples of the Filarial worms 4mks
- c) What are the intervention strategies that can be put in place to combat Filarial infections in Kenya 6mks

- e) Discuss the distinctive features of the Filarial worms 6mks
4. a) Parasitic infections are common throughout the world but are more prevalent in tropical and subtropical regions. Explain why 8mks
- b) State any 4 parasitic Diagnostic methods 4mks
- c) State any 4 Helminthiases 4mks
- d) Generally discuss how parasites cause disease in the host 4mks
5. a) State any four protozoan parasites responsible for quartan malaria in man 4mks
- b) What are the main modes of transmission of the Malaria parasites in man 4mks
- c) Explain why Malaria is still one of the leading causes of death in Kenya 4mks
- d) Discuss the life cycle of the human Malaria parasite 8mks