

JARAMOG OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS 2012/2013
3RD YEAR 1ST SEMESTER EXAMINATIONS FOR THE DEGREE OF BSC. PUBLIC
HEALTH
(KISII LEARNING CENTRE)

COURSE CODE: HCD 3316

COURSE TITLE: MEDICAL AND VETERINARY PARASITOLOGY

1. a) List with at least one example ten effects of parasites on their hosts 20mks.
b) The infective stages of parasites can be transmitted via various ways. Discuss five routes of parasitic transmission 10mks.

2. a) outline five endoparasitic adaptations of Trematodes 10mks.
b) Mention possible parasites that are found in the following specimens 5mks.
 - i. Stool
 - ii. Blood
 - iii. Urine
 - iv. Sputum
 - v. CSF

- c) Identify the possible sources of specimen for the following parasites
 - i. *Schistosoma mansoni*
 - ii. *E. vermicularis*
 - iii. *Trypanosome* species
 - iv. Filaria worms
 - v. *Giardia lamblia*

3. a) Discuss *entamoeba histolitica* under the following sub-topics
 - i. Geographical distribution 5mks
 - ii. Habitat 2mks
 - iii. Life cycle 9mks
 - iv. Prevention and control 4mks

4. a). Discuss prevention and control of the following parasites 5mks.
 - i. *Giardia lamblia* 3mks
 - ii. *Trichomonas vaginalis* 2mks
 - iii. *trypanosoma species* 8mks
 - b. Enumerate the vectors involved for the transmission of the following parasites 7mks.
 - i. *Leishmania donovani*
 - ii. *Leishmania tropica minor and major*
 - iii. *Trypanosima gambiense*

5. In regards to Laboratory Examination of Specimens in parasitology, discuss the following methods of diagnosis 20mks.
 - a). Macroscopic examination
 - b). Microscopic examination