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**W1-2-60-1-6**

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2019/2020**

**SPECIAL/SUPPLEMENTARY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE IN NURSING**

**INS 2205: MEDICAL PARASITOLOGY**

**DATE: JANUARY, 2020 TIME: 2 HOURS**

INSTRUCTIONS:

**SECTION A: 5 MARKS**

1. Which one of the following is the cardinal method for prevention of transmission of most intestinal parasites

a. Proper medication

b. Proper clinical diagnosis

c. Proper human behavior of excreta disposal

d. Mass chemotherapy with Praziquatel

2. The following parasite causes swimmers’ itch at the point of skin penetration

a. *Schistosoma mansoni*

b. *Hymenolepis diminuta*

c. *Fasciola gigantic*

d. *Fasciolopsis buski*

3. Which one of the helminth is responsible for “Public Nuisance”

a. *Enterobius vermicularis*

b. *Ascaris lumbriocoides*

c. *Dracunculus medinensi*

d. *Ancylostoma duodenale*

4. Kala-azar is described as anthroponosis because it:

a. Spread by arthropods

b. Causes anthropogenic marks

c. Infects arthropods

d. Infects humans only

5. Which one of the following pair of *Plasmodium* species is responsible for “Relapse Malaria”?

a. *Plasmodium vivax* and *Plasmodium knowlesi*

b. *Plamodium ovale* and *Plasmodium malariae*

c. *Plasmodium malariae* and *Plasmodium knowlesi*

d. *Plasmodium ovale* and *Plasmodium vivax*

**SECTION B: 25 MARKS**

1. State the various modes of infection seen in *Enterobius vermicularis* (5 marks)

2. State five clinical signs of urinary schistosomiasis. (5 marks)

3. Describe the general characteristics of Trematodes. (5 marks)

4. Describe the mode of transmission and morphologic forms of *Trypanosomes*. (5 marks)

5. State the infective stage in humans for each of the following parasites

 a*. Schistosoma haematobium*

b*. Plasmodium ovale*

c*. Taenia saginata*

d*. Ancylostoma duodenale*

e*. Ascaris lumbricoides*

**SECTION C: 40 MARKS**

1. Giving two specific examples in each case, discuss the various effects of arthropods on humans. (20 marks)

2. With reference to the life, discuss the pathology and control of *Schistosoma mansoni.* (20 marks)