

ZOOL 341: HELMINTHOLOGY resit/special exam

Streams. BSc/BEd

Time: 2 hours

Instructions: Answer all questions in section A and any ONE question in section B

SECTION A (30MARKS).

1. Outline parasites needs that are met by the host organisms (5)
2. State the predilection site for the following parasites in humans; (5)
 - a. *Paragonimus westermani*
 - b. *Loa loa*
 - c. *Enterobius vermicularis*
 - d. *Strongyloides stercoralis*
 - e. *Taenia solium*
3. Outline the characteristics of parasitic Trematodes (5)
4. Explain the treatment and control of *schistosomiasis* (5)
5. Outline the life cycle of *Fasciola hepatica* (5)
6. State the diagnosis of the following parasites (5)
 - a. *Wuchereria bancrofti*
 - b. *Taenia saginata*
 - c. *Fasciola hepatica*
 - d. *Schistosoma hematobium*
 - e. *Ascaris lumbricoides*

SECTION B (40 MARKS)

7. a. Describe the life cycle of hookworms (10)
 - b. Describe pathology in hookworms infections (10)
8. Discuss the transmission and control of tapeworms of man (20)
9. a) Describe the transmission and life cycle of *Onchocerca volvulus* (10)
 - b) Describe the pathology due to *Onchocerca* infection (5)
 - c) Describe the prevention and control of Onchocerciasis (5)