



ELIZADE UNIVERSITY,
ILARA-MOKIN,
ONDO STATE.

FACULTY: BASIC & APPLIED SCIENCES
DEPARTMENT: BIOLOGICAL SCIENCES
SECOND SEMESTER EXAMINATION

2015/2016 ACADEMIC SESSION

COURSE CODE: BIO414

TITLE: Parasitology

HOD's SIGNATURE

DURATION: 2 hours 30 minutes

NAME:.....MAT.No:.....

INSTRUCTIONS:

There are THREE sections in this paper, read the instruction for each section before attempting any question.

Section A- Answer all the questions

1. List and discuss with specific examples the various kinds of parasites and Parasitic relationships existing among organisms.
2. Describe the laboratory methods for:
 - (i) Identifying helminthes eggs,
 - (ii) Identifying malaria parasites and filarial worms
 - (iii) Identifying *Trichomonas vaginalis*.

Section B- Answer all the questions

1. Using *Plasmodium falciparum* as case study, discuss genetic resistance to parasitic infections.
2. (i) Using a known chart only, describe the life cycle of the parasite *Schistosoma*.
(ii) Describe the role of *Schistosoma* infection in the pathology of host's bladder, and how this could develop into bladder cancer.

Section C- Answer question 1 and any 1 from question 2

1. As a medical parasitologist posted to Ilara-Mokin to monitor the incidence of malaria and leishmania epidemic in the town, itemize and discuss briefly how you will carefully go about this.
2. Write short notes on any one of the following:
 - (i) Vectors, the disease(s) they transmit, control and one preventive measure.
 - (ii) Life cycle and prevention of taeniasis
 - (iii) Causes, diagnosis and prevention of hookworm.