



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF LIFE SCIENCES
DEPARTMENT OF MICROBIOLOGY**

SECOND SEMESTER EXAMINATION 2015/2016 SESSION

COURSE CODE: MCB 526

COURSE TITLE: MEDICAL PARASITOLOGY (3 UNITS)

CLASS: 500 LEVEL

TIME: 2 HOURS

Instruction: Answer four (4) questions, at least two from each section

Section A

1. Explain the underlisted concepts and give at least three importance of each to the study of parasitic diseases.
 - (a) Morphology
 - (b) Transmission
 - (c) Geographical distribution
 - (d) Life cycle
2. A patient with an occupational history of irrigation farming reported to the hospital with painful micturition, haematuria and proteinuria.
 - (a) Suggest the possible aetiologic agent with valid reasons.
 - (b) Explain stepwise the method you will use to confirm the diagnosis
 - (c) Suggest steps to be taken by the patient to avoid re-infection and spread of the infection.
3. Explain in details the five ways of preventing and controlling Hookworm infections in your community.

Section B

4.
 - (a) Describe in detail the laboratory diagnosis of *Plasmodium falciparum* infection
 - (e) In the control of malaria where will you put emphasis: Use of insecticide/insecticide treated nets; chemotherapy or environmental sanitation? Give reasons for your choice
5. In what ways does environmental situation contribute to the spread of parasitic diseases? How could the contact between the parasite and the host be broken through proper environmental sanitation?

6. (a) List the parasites of human importance according to their habitat in man.
(b) How will you identify intestinal parasitic infection based on stool examination?
Use diagrams to illustrate.