



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA
SCHOOL OF NATURAL AND APPLIED SCIENCES
DEPARTMENT OF MICROBIOLOGY
SECOND SEMESTER EXAMINATION 2013/2014 SESSION**

COURSE CODE: MCB 526

COURSE TITLE: MEDICAL PARASITOLOGY (3 UNITS)

CLASS: 500 LEVEL

TIME: 2HOURS 30MINUTES

Instruction: Answer (five) questions

1. Discuss the transmission of nematode infections.
2. Write short notes on the following
 - i. Microfilariae
 - ii. How parasites harm their hosts
 - iii. Laboratory diagnosis of parasitic infections
3. Under the following headings, discuss either hookworms or *Onchocerca volvulus*
 - a) Transmission
 - b) Pathology
 - c) Diagnosis
- 4(a). Explain the various factors responsible for the transmission of parasitic infections caused by the class Trematoda.
- 4(b). Highlight measures through which infections in (a) above may be controlled
5. Write short notes on the following terms giving appropriate examples and illustrations where necessary
 - a) Strobila of cestodes
 - b) Intermediate host
 - c) Characteristics of cestodes
 - d) Parasitism
6. Compare the lifecycle of *Plasmodium falciparum* with that of *Trypanosoma gambiense*
- 7((a). Discuss the importance of diseases caused by *Trichomonas vaginalis*, *Entamoeba histolytica* and *Giardia lamblia*
- 7(b). How will you diagnose in the laboratory infections caused by parasites named in question 7 (a) above? Use diagrams to illustrate.