



National Open University of Nigeria
Plot 91, Cadastral Zone, NnamdiAzikiwe Expressway, Jabi - Abuja
FACULTY OF SCIENCE
2017_2 EXAMINATION

COURSE CODE: BIO 310

COURSE TITLE: Protozoology

TIME ALLOWED: 2HOURS

Instruction: Question 1 is compulsory and any other three questions.

- 1a. Expound on the treatment and control of African Trypanosomiasis(7marks)
- 1b. List four characteristic features that makes mosquito an efficient vector of Plasmodium(4marks)
- 1c. Give a brief description of the life cycle of *Entamoebahistolytica*(6marks)
- 1d . Write a short note on *Balantidium coli*(6marks)
- 1e. List 3 species of Leishmania and the diseases they cause in man (3marks)

- 2a. Mention species of Trichomonad not found in man and state the animals they infect.(2 marks)
- 2b. Describe Trichomoniasis under these subheadings: (13marks)

Etiology
Life cycle
Symptoms
Pathology
Diagnosis
Treatment

3. Write short notes on the following *Entamoeba* species (15marks)
 - i. *Entamoebagingivalis*
 - ii. *Entamoebamoshkovskii*
 - iii. *Entamoeba coli*.

4. Give a stepwise description of the life cycle of *toxoplasma gondii* (diagrams will not be required)(15marks)

5. Explain the main forms of locomotion in protozoa (15marks)