



**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)