



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI ABUJA
FACULTY OF SCIENCE
Department of Pure and Applied Sciences
2021_2 EXAMINATION ¹²³⁴

COURSE CODE: BIO 310

COURSE TITLE: PROTOZOOLOGY

CREDIT: 2 UNITS

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTIONS 1 AND ANY OTHER THREE QUESTIONS.

- 1a. Write concisely on the stages of replication in Apicomplexa. **(6 marks)**
- b. Discuss the pathological effects of Chagas disease **(4 marks)**
- c. Define the following terms- Reservoir host, Vector and Host **(3 marks)**
- d. Give a detailed description of the morphology of *Trypanosomes*. **(5 marks)**
- e. The life cycle of the plasmodium species is ambiguous; Give an account of special features found in the life cycle of *Plasmodium falciparum* **(7 marks)**

- 2a. Briefly describe the different organelles of locomotion found among protozoans. **(6 marks)**
- b. List and explain any six subgenera of the genus plasmodium. **(9 marks)**

- 3a. Discuss the Epidemiology of Chagas disease. **(5 marks)**
- b. Outline the four plasmodium species responsible for human malaria. **(4 marks)**
- c. States the treatment and control of Chagas disease. **(6 marks)**

- 4a. Mention five (5) species of *Leishmania*.and the diseases they cause. **(5 marks)**
- b. Discuss the symptoms of *Leishmania* you know **(6 marks)**
- c. Write briefly on the epidemiology of *Entamoeba histolytica* **(4 marks)**

- 5a. Write a short note on *Balantidium coli* the causative agent of Balantidiasis. **(5 marks)**
- b. Write a comprehensive note on amoebae of importance to man. **(10 marks)**