



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE, NNAMDI AZIKIWE EXPRESSWAY, JABI ABUJA
FACULTY OF SCIENCE
Department of Biological Sciences
2022_2 EXAMINATION

COURSE CODE: BIO310

COURSE TITLE: PROTOZOOLOGY

CREDIT: 2 UNITS

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTIONS 1 AND ANY OTHER TWO (2) QUESTIONS.

- 1a. Highlight the two clinical forms of African trypanosomiasis. **(2 marks)**
b. Mention one disease caused by a Babesia parasite **(1mark)**
c. Outline the symptoms, treatment and control of this disease **(6marks)**
d. List the five major blood protozoans of biological/medical importance. **(5 marks)**
e. Outline at least five (5) characteristics of Leishmania parasite. **(5 marks)**
f. Discuss the life cycle of *Trypanosoma cruzi*. **(5 marks)**
g. Discuss the Morphology and life cycle of *Trichomonas vaginalis*. **(6 marks)**
- 2a. Discuss the life cycle of Leishmania parasite. **(8 marks)**
b. Outline the steps involved in the life cycle of *Toxoplasma gondii*. **(12 marks)**
- 3a. Write short notes on the following:
(i). Epidemiology of plasmodium parasite. **(4marks)**
(ii). Morphology of plasmodium parasite. **(4marks)**
(iii) *Plasmodium falciparum* **(4marks)**
(iv) *Plasmodium vivax* **(3marks)**
b. List any five (5) true malarial parasites you know. **(5 marks)**
- 4a. Outline the symptoms of Babesia. **(4 marks)**
b. Briefly describe the morphology and life cycle of a trypanosome. **(5 marks)**
c. Mention the disease cause by Giardia; its symptoms; pathology and treatment **(11 marks)**
- 5a. Outline the two diagnosis of Malaria. **(3 marks)**
b. List four Intestinal and luminal protozoa significant to human health. **(4 marks)**
c. Briefly explain the *Isospora belli* **(6 marks)**
d. Discuss the life cycle of *Entamoeba histolytica*. **(7 marks)**