



NATIONAL OPEN UNIVERSITY OF NIGERIA

Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Science

DEPARTMENT OF BIOLOGICAL SCIENCES

2024 1 EXAMINATION

COURSE CODE: BIO 310

COURSE TITLE: PROTOZOOLOGY

CREDIT UNIT: 2 UNITS

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION ONE AND ANY TWO OTHERS.

1a. Write an essay on the Ecology of *Naegleria fowleri*. 10marks

b. Outline the Life Cycle of *Naegleria fowleri*. 10marks

c. Outline the symptoms of malaria. 10marks

2a. Describe the features of the following parasites. 15

i. *Entamoeba gingivalis*. 5marks

ii. *Entamoeba moshkovskii*. 6marks

iii. *Entamoeba invadens*. 4marks

b. Explain the Post-*Giardia* Lactose Intolerance. 5marks

3a. State the treatment and control of *Giardia*. 10marks

3b. Describe the symptoms and pathogenesis of *T. vaginalis*. 10marks

4a. Outline the distinctive feature of the Trichomonads. 10marks

b. State the Phylogenetics of *Dientamoeba fragilis*. 10marks

5a. Explain the symptoms, diagnosis and treatment of *Dientamoeba*. 10marks

i. Symptoms. 5marks

ii. Diagnosis. 3marks

iii. Treatment. 2marks

b. Describe *Cryptosporidium parvum* as a Parasite. 10marks