Port Said University
Faculty of Science

Department: Zoology **Date: 13/1/2022**
Level: First Level of Credit hours- New Bylaw (Faculty of Nursing) **Time: 2 h**

Course: Parasitology

The Final exam. Of the First Semester 2021 -2022
(Total Marks = 25)

Answer the following questions:

I- Write the scientific term of following: (2 Marks)

a- Type of symbiosis in which both parties benefit.
b- Diseases are characteristic for humans.
c- Types of symbiosis in which one party is benefited and the other party receives neither benefit nor harm.
d-Diseases are characteristic for animals.

II- Illustrated the Infective stage, Diagnostic stage, Definitive host, Intermediate host for following parasites. (3 Marks)

Entamoeba histolytica – *Trypanosoma cruzi* -*Schistosoma haematobium.*

III- Explain by drawing only the life cycle of the following parasites: (8 Marks)

a- *Entamoeba histolytica*.
b- Heterophyes heterophyes.
c- *Ascaris Lumbricoides*.

IV- Give an account about the following items: (12 Marks):

a- Loeffler's syndrome.

b- Mode and source of parasitic infection.

c- Pathogenesis of *Plasmodium vivax*.

d- General characters of Protozoa.

e-Types of parasites (Four only).

f- Different stages of *Trypanosoma.* (With drawing).

best wishes

Dr. Ali Hussein