



Examination for Diploma Degree in Public Health
Course Title: Medical Parasitology
Date: 25-03-2021
Time Allowed: 1.5 hours
Total Assessment marks: 45 marks

Tanta University
Faculty of Medicine
Medical Parasitology Dep.

All questions must be answered:

Q1.

A 30-year-old, gardener complained of recurrent attacks of fever, cough, and dyspnea, followed by diarrhea and epigastric pain. Laboratory investigations revealed blood eosinophilia and rhabditiform larvae in stool samples

1. What is the suspected parasitic infection? (2) [10 marks]
2. What are the possible modes of transmission? (2)
3. Mention the suspected complications. (3)
4. Enumerate three helminths that can cause fever. (3)

Q2: Explain why? [10 marks]

- 1- Up till now schistosomiasis is still a major health problem in Egypt.
- 2- Eating undercooked fish is hazardous.
- 3- Control of *Trypanosoma rhodesiense* is difficult than control of *T. gambiense*.
- 4- Emetic drugs are contraindicated during *Taenia solium* infection.
- 5- Anaemia may occur in visceral leishmaniasis.

Q3: Give a short account on: [15 marks]

- 1- Medical importance of fleas.
- 2- Complications of *Plasmodium falciparum* infection.
- 3- Prevention and control of scabies.

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Q4. Choose the correct answer: [10 marks]

1. Which of the following is NOT implicated in control of toxoplasmosis?
 - a. Food protection from house flies.
 - b. Proper washing of raw vegetables.
 - c. Both partners should be treated at the same time.
 - d. Proper screening of blood donors.

2. Which of the following (parasite-vector) is correctly paired?
 - a. *Leishmania donovani*–*Glossina*.
 - b. *Loa loa*–*Simulium*.
 - c. *Plasmodium falciparum* – Female *Aedes*.
 - d. *Wuchereriabancrofti*– Female *Culex*.

3. What is the infective stage of *Sarcocystislendemanni* ?
 - a. Immature oocyst.
 - b. Mature cyst.
 - c. Sporocyst.
 - d. Egg.

4. Drinking contaminated water could transmit which of the following?
 - a. *Ascaris lumbricoides*.
 - b. *Trichinella spiralis*.
 - c. *Heterophyesheterophyes*.
 - d. *Capillariaphilippinensis*

5. Which of the following is transmitted by autoinfection?
 - a. *Leishmania tropica*.
 - b. *Isosopra belli*.
 - c. *Hymenolepsidiminuta*.
 - d. *Taenia saginata*.

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6. Enterotest may be used in the diagnosis of which of the following?
- Giardiasis.
 - Amoebiasis.
 - Trichomoniasis.
 - Oxyuris.
7. Protein-losing enteropathy occurs in which of the following diseases?
- Heterophyiasis.
 - Capillariasisphilippinensis.
 - Schistosomiasis *mansoni*.
 - Enterobiasis.
8. Ziel-Neelsen stain can be used in staining which of the following?
- Taenia solium* eggs.
 - Cryptosporidium* oocysts.
 - Toxoplasma* oocysts.
 - Both A and B.
9. Which of the following is considered opportunistic parasite?
- Cryptosporidium parvum*.
 - Naegleria fowleri*.
 - Schistosoma mansoni*.
 - Fasciola hepatica*.
10. What is the causative parasite for primary amoebic meningoencephalitis?
- Acanthamoeba* species.
 - Entamoeba histolytica*.
 - Naegleria fowleri*.
 - Entamoeba hartmani*.

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(Oral and practical exams will be on Saturday 27/03/2021 in the Parasitology Department)

Best wishes

Houaich Ismail

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Examination of Microbiology and Immunology for Diploma degree of public health

Time: 3 hours

Total marks: 45

Date: march 2021

1. Give short notes on: (12 marks)
 - A. Bacterial capsule
 - B. Type II hypersensitivity reaction
 - C. Tumors escape mechanisms from the immune system

1. Enumerates bacterial causes of bloody diarrhea and discuss one of them in details. (10 marks)

2. Discuss brucellosis. (10 marks)

3. Discuss aspergillus fungus .(7 marks)

4. Mention causative organism, mode of transmission and prophylaxis of poliomyelitis. (6 marks)