



طفيليات

الوقت  
3 ساعات  
٢٠١٥/٦/١٥



Fayoum University  
Faculty of Medicine  
June Exam.

Date :15/6/2015  
Time allowed:3 hours  
Total marks :100 marks  
Essay Questions:70 marks  
M.C.Q :30 marks

**THIRD YEAR  
PARASITOLOGY**

## ESSAY PAPER

Answer the following questions: (Illustrating with diagrams whenever possible):

### Question I:

1-Diarrhoea is an important clinical manifestation in certain parasitic infections.

- a-Mention four protozoal infections that may cause diarrhea .
- b-Mention the infective stage in each illustrating with diagrams.
- c-Choose one that commonly affects children and mention its clinical picture.

(6 marks)

2-Give an account on each of the following:

- a-Mechanism by which specific antibody controls some parasitic infections.
- b-Clinical picture and treatment of trichomoniasis.
- c-Algorithm for serodiagnosis of toxoplasmosis.

(9 marks)

(Total 15 marks)

### Question II:

Compare between:

- a-Medical importance of phlebotomus( sand fly) and simulium (black fly).
- b-Complications of amoebiasis and that of balantidiasis.
- c-Mechanism of transmission of endemic and epidemic relapsing fever.
- d-Winterbottom's and Romana's signs.
- e-Chigger's disease and Vogabond's disease.

(15 marks)

### Question III:

1-Give reason for:

- a-The occurrence of pancytopenia with visceral leishmaniasis.
- b-Cryptosporidiosis is considered an opportunistic disease.
- c-CSF examination is obligatory in primary amoebic meningoencephalitis.
- d>Musca domestica (house fly) is considered an efficient disease agent transmitter.
- e-Cooperation between B&T lymphocytes plays a crucial role in the antibody response.

(10 marks)

2-Discuss in brief external myiasis

(5 marks)

(Total 15 marks)

#### Question IV

##### Case 1:

A football player was admitted to the fever hospital suffering from hyperpyrexia , severe headache , drowsiness & mental confusion. Meanwhile one hour he was comatosed. The physician noticed contracted pupils and abnormal reflexes. A history of travelling to Sudan 2 weeks ago was given.

- a-What is your possible diagnosis?
- b-How can you confirm the diagnosis?
- c-Describe the pathogenesis of this condition?
- d-What other serious complications of this parasitic infection?
- e-How can you treat and prevent such condition? (8 marks)

##### Case 2:

A farmer complained of severe itching especially at night associated with reddish skin and small vesicles at wrists and interdigital spaces.

- a-What is your diagnosis and the causative arthropod?
- b-Describe how can you reach a correct diagnosis?
- c-Is this disease a household infestation?Why?
- d-How can you treat and prevent this disease? (5 marks)

(Total 13 marks)

#### Question V

1-Enumerate four parasites that can be detected in a blood film. Mention the infective stage of each. (4 marks)

2-Give an account on Mosquito control. (4 marks)

3-Discuss in brief medical importance of Hard Ticks (4 marks)

(Total 12 marks)

(Total 70 marks)

Good luck