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Fayoum University
Faculty of Medicine
Sept. 2014 Exam

Date : 3/9/2014
Time allowed: (2.5)hour
Essay paper marks :70

Third year Parasitology

Answer the following questions:

Question I:

A-Enumerate the pathogenic protozoal parasites of large intestine and make labeled diagrams for the diagnostic stages in each case.

Some of these parasites may be transmitted by auto-infection:

Enumerate these parasites and compare between them as regard pathogenesis, clinical picture, complications and how to treat infected patients.

(10 marks)

B- Give an account on each of the following:

1. Medical importance of mosquitoes.
2. Mode of infection of toxoplasmosis.
3. Chigger's mites.

(15 marks)

(Total 25 marks)

Question II:

Case I:

A young man arrived from Jordan where he was working as a laborer and living in camps. He has a chronic ulcer on his cheek with clean cut edge that resists treatment by known antibiotics.

1. What is the name of this lesion and what is the causative parasite?
2. Mention the pathogenesis in this case?
3. Mention the mode of infection and infective stage
4. How can you confirm your diagnosis
5. How can you treat this case?

(10 marks)

Case II:

A young girl aged 6 years old from a village near El- Fayoum complained of severe pain in her eye and lacrimation. On clinical examinations, 2 small worm-like structures were found in her lower eyelid.

1. What is your diagnosis?
2. How can you confirm the diagnosis?
3. What is the proper treatment?

(5 marks)

(Total 15 marks)

Question III:

Compare between:

- a) Mechanism of transmission of plague and endemic typhus.
- b) Role of eosinophils and macrophages in immune response.
- c) Diagnosis of Plasmodium falciparum and Babesia in blood film.
- d) Pathogenesis of primary amoebic meningoencephalitis (PAM) and granulomatous amoebic encephalitis (GAE).
- e) Cyclopropagative and cyclodevelopmental disease transmission.

(Total 15 marks)

Question IV:

Give reason for:

- a) Malaria relapse.
- b) Sand flies are not found in high floors of buildings.
- c) In some situations immunodiagnosis is important.
- d) Staining stool specimens by Zeil-Neelsen stain.
- e) Wells' water should be boiled, filtered or chlorinated before use.

(10 marks)

Name one arthropod which may be associated with the following:

- a) Acne like lesion.
- b) Lyme disease.
- c) 3-day fever
- d) 5- day fever
- e) Endemic relapsing fever

(5 marks)

(Total 15 marks)

Good luck