

الفرقة الثالثة
دود أول
طفيليات

Sohag University
Faculty of Medicine
Parasitology Examination of Third year medical students (60 Mark)

Date: 9/6/2018
Time allowed: 2h

A-Medical Helminthology (25)

1- Enumerate 3 helminthes causing dysentery and mention its infective and diagnostic stages. (6)

The parasite	infective stage	Diagnostic stage

2- Choose the correct answer(4)

I- ELISA is the main diagnostic test in case of:

<ul style="list-style-type: none">a) Acute Fascioliasis.b) Acute bilharziasis.	<ul style="list-style-type: none">c) Ascariasisd) <i>Enterobius vermicularis</i>
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II- National Institute of Health is a swap for diagnosis of :

<ul style="list-style-type: none">a) <i>Enterobius vermicularis</i>b) <i>Loa loa</i>	<ul style="list-style-type: none">c) creeping eruptiond) <i>Taenia saginata</i>
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III- Tropical pulmonary eosinophilia is caused by:

<ul style="list-style-type: none">a) <i>Onchocerca volvulus</i>b) <i>Dirofilaria immitis</i>	<ul style="list-style-type: none">c) <i>Dracanculus medinensis</i>d) <i>Mansonella perstans</i>
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IV- Cercaria - Hullen reaction (C H R) is a serological test for diagnosis of:

<ul style="list-style-type: none">a) Heterophyiasisb) Schistosomiasis	<ul style="list-style-type: none">c) Fascioliasisd) Fasciolopsiasis
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3-Case ;(7)

A 10 years old child came to the health clinic complaining from acute abdominal pain ,he has an appendicitis :

-Mention two helminthes cause this pictures, their infective and diagnostic stages

1-		
2-		

4-Complete: (3)

a-Bather's itch occurs frequently with.....infection

b-..... infection may cause rectal prolapse, while it may lead toand..... anaemia to its host.

c-Two helminths can affect the brain..... and.....

5-Compare between Sparganosis and Cysticercosis; (3)

	Sparganosis	Cysticercosis
Infective stage		
One mode of infection		
Adult worm		

6-Mention 4 tissue nematodes can infect the human (2)

.....
.....and.....

Medical protozoology (20)

1-**case;(6)**A blood film showed single and multiple parasites inside red blood corpuscles, some were even adherent to the outer surface and were about 1/6 the size of the host cell.

5-Enumerate 4 opportunistic protozoa (2)

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.....and.....

Arthropoda and Parasitic immunity (15)

1-Explain : Biological transmission of the disease by arthropods. (6)

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2-Mention ; Definition and Classification of myiasis according to the habits of flies with examples (4)

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3-Enumerate; Mechanisms of Schistosomes evasion from immune response (3).....

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4-Complete :(2) Two medical importance of *Cyclops spp.*

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الفرقة الثالثة
الطفيليات

Sohag University
Faculty of Medicine
Parasitology Examination of Third year medical students (75 mark)

دور ثاني

Date 29/8/2018
Time allowed: 2h

A-Medical Helminthology (35)

1- Enumerate 3 helminthes causing aneamia and mention its infective and diagnostic stages.(9)

The parasite	infective stage	Diagnostic stage

2- Choose the correct answer(4)

I- Katayama syndrome caused by :

a) <i>Schistosomaspp</i>	c) - <i>Taeniaspp</i>
b) <i>Ascaroid spp</i>	d) <i>Enterobiusvermicularis</i>

II-Scotch adhesive tape swab for diagnosis of :

<ul style="list-style-type: none"> • a) <i>Enterobiusvermicularis</i> • b) <i>Loa loa</i> 	<ul style="list-style-type: none"> • c) creeping eruption • d) <i>Taeniasaginata</i>
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III-River blindness is caused by:

<ul style="list-style-type: none"> • a) <i>Onchocerca volvulus</i> • b) <i>Dirofilariaimmitis</i> 	<ul style="list-style-type: none"> • c) <i>Dracanculusmedinensis</i> • d) <i>Mansonellaperstans</i>
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IV- Miracidia immobilization test (M I T) is a serological test for diagnosis of:

<ul style="list-style-type: none"> • a) Heterophyiasis • b) Schistosomiasis 	<ul style="list-style-type: none"> • c) Fascioliasis • d) Fasciolopsiasis
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3-Case ;(9)

A 6 years old child came to the health clinic complaining from pruritus ani , insomnia , restlessness and nocturnal enuresis .

-Mention the helminth cause this picture, its infective and diagnostic stages

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4-Complete: (3)

a- Rectal prolapse occurs frequently with.....infection

b-..... infection may cause Bather's itch.

c-One nematode can affect the eye.....

5-Compare between Fascioliasis and Ascariasis; (6)

	Fascioliasis	Ascariasis;
Infective stage		
Diagnostic stage		
mode of infection		

6-Mention 4 cestoda larvae can infect the human (4)

.....

.....and.....

Medical protozoology (25)

- 1- **case;(9)** A case complain from diarrhea with about 7-10 motions / day with blood and mucus in stools there is no fever ,no toxemia and there tenderness at caecum and rectosigmoid region.
- 2- - What is most possibly protozoon infecting this patient, infective and diagnostic stages.

The protozoon	Infective stage	Diagnostic stages

2-Complete (4)

- a) Non-nutrient agar medium is used for culture of and
- b) String test is used for diagnosis of
- c) Romana's sign is diagnostic to

3-Choose the correct answer(4)

1- Winterbottom's sign is a clinical manifestation of :

- A-Chagas disease
- B- Sleeping sickness
- C-Amaebiasis
- D-Malaria

2- Black water fever is a complication of :

- A-Kala azar
- B-Malaria
- C-Chagas disease
- D- Fascioliasis

3- Algid malaria caused by :

- A-*Plasmodium ovale*
- B- *Plasmodium vivax*
- C-*Plasmodium falciparum*
- D-*Plasmodium malariae*

4+- The causative parasite of chagas disease is :

- A-*Plasmodium falciparum*
- B-*Trypanosomacruzi*
- C-*Leishmaniadonovani*
- D-*Acanthamaebae*

4-Mention4 clinical pictures ofgiardiasis**(4)**

.....
.....and

5-Enumerate 4 protozoa may infect the brain**(4)**

.....
.....and.....

Arthropoda and Parasitic immunity (15)

1-Explain : Three medical importance of the following arthropods. (9)

Genus Anopheles

- 1.....
- 2.....
- 3.....

Sandfly

- 1.....
- 2.....
- 3.....

Xenopsyllacheopsis

- 1.....
- 2.....
- 3.....

4-Complete : (6) Evasion of the immune response

- a.secrete molecules that prevent the formation of functional phagolysosomes.
- b.inhibits the response of monocytes and neutrophils to the cytokines, so it becomes resistant to phagocytosis.
- c. Antigenic variation. has been characterized in some parasites as