



South Valley University



Faculty of medicine

Department of Medical Parasitology

Midterm Exam of Medical Parasitology for 3rd year medical students.

Date : 21-11-2017.

Time : 30 minutes.

Total marks : 21 marks.

Answer the following questions and illustrate your answer with diagrams whenever possible

Choose the correct answer:

1-Which of the following statements are correct:

- [A] In mutualism, both organisms benefit.
- [B] The predator is the stronger animal that eats a weaker animal.
- [C] Transport host can be a mechanical vector.
- [D] All of the above.

2- The following statements are correct about flame cells EXCEPT:

- [A] They can be used in evaluation of viability.
- [B] They are the basic excretory unit.
- [C] They can be seen in miracidium.
- [D] None of the above.

3- *Fasciola* is a/an parasite.

- [A] Incidental.
- [B] Opportunistic .
- [C] Periodic.
- [D] All of the above.

4- *Schistosoma* egg contains:

- [A] Fully mature miracidium and hatch immediately on land.
- [B] Fully mature miracidium and hatch immediately in fresh water.

[C] Fully mature miracidium and hatch inside snail.

[D] Fully mature miracidium and hatch immediately in brackish water.

5- Infective stages in trematodes include:

[A] *Leptocercus cercaria*.

[B] *Microcercus cercaria*.

[C] *Xephidiocercous cercaria*.

[D] None of the above.

6- Cestodes share the following general characters except:

[A] Have suckers.

[B] Segmented worms.

[C] Have excretory system.

[D] Have alimentary tract.

7- Stage that could infect humans in *Taenia solium* is:

[A] Freshly passed eggs.

[B] Cysticerci in cattle meat.

[C] cercocystic cysticercoid.

[D] None of above.

8- Casoni's test is used to diagnose:

[A] Hydatid infection.

[B] Sparganosis.

[C] Myiasis.

[D] Visceral larva migrans.

9- Autoinfection occur in:

[A] *Hymenolepis nana*.

[B] *Hymenolepis diminuta*.

[C] *Diphyllobothrium latum*.

[D] *Dipylidium caninum*.

10- Terrestrial snails are the intermediate hosts of :

[A] *Fasciola Hepatica*

[B] *Schistosoma Mansoni* .

[C] *Fasciolposis Buski*

[D] *Dicrocoelium Denderiticum*.

Complete :

1. Eating raw liver containing immature worms of *Fasciola gigantica* causes While ingestion of the encysted metacercaria of *Fasciola hepatica* causes, but eating cooked liver containing mature adults of *Fasciola gigantica* results in
2.is the most serious complications caused by *Heterophyes hyterophyes* , it is caused by stage and is due to the following causes (1)(2).....
3. We can differentiate between *Taenia saginata* and *Taenia solium* eggs by
4. Maturation of Adult *Schistosoma haematobium* takes place inwhile the female lay eggs in.....

Give reasons :

- a. Terminal haematuria in urinary schistosomiasis.
- b. *Heterophyes hyterophyes* prevails in the regions of lakes.
- c. Pernicious anemia in diphylobothriasis.
- d. During treatment of Taeniasis , avoid treatment with Niclosamide especially if the case is not differentiated by which species of *Taenia*.
- e. *Hymenolepis nana* is more common than *Hymenolepis diminuta*.
- f. Enterobiasis is more dangerous in female child than in male child.

8- Clinical case:

A 45 years old male presented to University Teaching Hospital, with fever, right hypochondriac pain upon examination he had enlarged tender liver and yellowish discoloration of the sclera. Peripheral blood smear revealed eosinophilia. Stool analysis revealed large eggs of helminthic parasite.

- a. What is your provisional diagnosis?
- b. Describe the revealed egg?
- c. How can you exclude false diagnosis?
- d. Mention one complication of this infection?

3- A young boy was admitted to the emergency department with acute pain . he underwent appendectomy which revealed the following parasite was extracted from the appendix.

- a. What is your provisional diagnosis?
- b. Mention 2 helminthic causes of intestinal obstruction?
- c. Mention 2 other complications of this infection?
- d. How this patient get infected?

