



August 2019

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Answer the following question ( Write the answer only in your paper)

A- Fill in the blanks: (16 Marks)

- 1- *Paramecium* sp. Lives in ..... and feeds mainly on ..... it reproduce asexually by..... and sexually by.....
- 2- The intermediate host of *Schistosoma haematobium* is ..... whereas in *S. mansoni* is .....
- 3- *Trichomonas tenax* lives in .....but *Trichomonas vaginalis* lives in.....
- 4- The infective stage of pathogenic free-living amoebae, *Acanthamoeba* sp. is.....or.....
- 6- The infective stage of *Plasmodium* sp. is ..... and that of *Trypanosoma* sp. is .....
- b- Infection with .....or ..... causes dysentery. Their habitat is .....
- 2- Contractile vacuoles in fresh water protozoan spp. used for.....

B- Put a suitable(✓) or (X) adjacent to the following: (14 marks)

- 1- Intermediate host is the host harbouring asexual forms of Protozoa. ( )
- 2- Man acts as a final host in *Plasmodium* sp. ( )
- 3- The insect vector of *Trypanosoma gambiense* is sand fly. ( )
- 4- Some cercariae may have both penetration & cystogenous glands. ( )
- 5 - Infection of *Taenia solium* occurs through ingestion of larval forms in undercooked beef. ( )
- 6 - Infective stage of *Giardia lamblia* is trophozoite ( )

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- 7- *Enterobius vermicularis*, could be propagated by autoinfection. ( )
- 8- Zoonoses, are the parasitic diseases transmissible between man and other animals ( )
- 9- Costa is a cytoplasmic structure seen at the base of undulating membrane of intestinal flagellates. ( )
- 10- Fertilization of male and females gametes of *Plasmodium* sp. occurs in human blood ( )
- 11- Infective stage of *Fasciola gigantica* is leptocercous cercaria. ( )
- 12- Infective stage of *Entamoeba gingivalis* is trophozoite. ( )
- 13- *Lymnaea cailliaudi* snail is the first intermediate host of *Heterophyes heterophyes*. ( )
- 14- *Heterophyes heterophyes*, to complete its life cycle requires three hosts. ( )

Write briefly on five only of the following: (20 marks )  
( illustrating your answer with labeled drawings whenever possible )

- 1- Encystment in *Amoeba* sp.,
- 2- Sources of parasitic infection.
- 3- *Entamoeba histolytica* & *Entamoeba coli* trophozoites.
- 4- Conjugation in ciliates Protozoa.
- 5- Infective stage, mode of infection and habitat of the parasites.  
*Enterobius vermicularis* – *Ascaris* sp. – *Balantidium coli*
- 6- Sexual cycle of *Plasmodium* sp. in stomach of mosquito

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*Good luck*

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