



Technical University of Mombasa

Faculty of Applied and Health Sciences

DEPARTMENT OF ENVIRONMENT AND HEALTH SCIENCES

CERTIFICATE IN COMMUNITY HEALTH AND HIV MANAGEMENT
(CCH13)

AML 1106 MEDICAL PARASITOLOGY

SEMESTER: EXAMINATIONS

SERIES: DECEMBER 2013

TIME: 2 HOURS

INSTRUCTIONS:

You should have the following for this paper

- *Answer booklet*

This paper consists of *section A and B* .

Answer ALL question

This paper consists of 2 PRINTED pages

1. *Toxoplasma gondi* is a parasite of
 - a) Goats
 - b) Cats
 - c) Man
 - d) Cattle

2. Malabsorption of fats is a symptom associated with
 - a) Giardiasis
 - b) Nacaroriosis
 - c) Teaniasis
 - d) Turgosis

3. Conjugation is a mode of reproduction with
 - a) *Balantidium coli*
 - b) *Entamoeba gingivalis*
 - c) *Trichomonus vaginalis*
 - d) *Trypanosonus*

4. “Free falling leaf” movement is used to describe the movement of
 - a) *Ascaris lumbricoides*
 - b) *Giardia lamblia*
 - c) *Trichomonus vaginalis*
 - d) *Trichomonus gingivalis*

5. A large circular karyosome surrounded by refractive globules belong to
 - a) *Iodamoeba butschilli*
 - b) *Iodamoeba fragilis*
 - c) *Entamoeba coli*
 - d) *Entamoeba histolytica*

6. Flukes associated with sheep rearing is
 - a) *Heterophyes heterophyes*
 - b) *Schistosomes haematobium*
 - c) *Schistosomes haematobium*
 - d) *Paragonimus westermani*

7. Which cestode does not require an intermediate host in its life cycle
 - a) *Hymenolepis nana*
 - b) *Hymenolepis diminura*
 - c) *Taenia solium*
 - d) *Echinococcus granulosus*

8. The genus *Trichomonus* have the feature
 - a) Undulating membrane
 - b) Pseudopodia
 - c) Cilium
 - d) Trophozoite

9. The largest human trematode is
 - a) *Heterophyes heterophyes*
 - b) *Fasciolopsis buski*
 - c) *Fasciola hepatica*
 - d) Schistosomes

10. Lancet fluke is
 - a) *Dicrocoelium dentriticum*
 - b) *Heterophyes heterophyes*
 - c) *Paragonimus westermani*
 - d) Schistosomes

11. Wearing of shoes is important in controlling
 - a) Netatoriasis
 - b) Schistosomiasis
 - c) Elephantiasis
 - d) Ascariasis

12. Transmission of the following parasite is by ingesting edible aquatic plants
 - a) *Heterophyes heterophyes*
 - b) *Fasciola hepatica*
 - c) *Fasciola buski*
 - d) Schistosomes

13. Cysts with splinter shaped chromatoidal bars belong to
 - a) *Entamoeba histolytica*
 - b) *Entamoeba coli*
 - c) *Trichomonus vaginalis*
 - d) *Trichomonus*

14. Cadaverine diarrhea is synonymous to
 - a) Ascariasis
 - b) Strongyloidiasis
 - c) Necatoriasis
 - d) Whip worm infection

15. Infection with schistosome is through
- Ingestion of eggs
 - Skin penetration
 - Innoculation
 - Blood transfusion
16. Possession of genital sucker is a characteristic of
- Heterophyes heterophyes
 - Schistosomes
 - Paragonimus westermani
 - Opisthorchis sinensis
17. The egg of the following flukes have a lateral spine
- Schistosoma japonicum
 - Schistosoma mansoni
 - Heterophyes heterophyes
 - Paragonimus westermani
18. The Chinese liver fluke is synonymous to
- Dicrocoelium dendriticum
 - Chlororchis sinensis
 - Opisthorchis viverrini
 - Schistosomes
19. The following is not a characteristic of amoeba.
- Move by means of pseudopodia
 - Reproduction is by simple binary fission
 - They form cysts
 - Have cytoplasm divided into granular ectoplasm and clear endoplasm.
20. The following are organelles of locomotion protozoa
- Cilia and Karyosome
 - Flagella and cilia
 - Pseudopodia, vacuoles and flagella
 - Pseudopodia and chromatin granules
21. The following protozoa trophozoite has 2 nucleus but lacks median body
- Giardia lamblia
 - Entamoeba coli
 - Trichomonas vaginalis
 - Dientamoeba fragilis

22. Chagas disease is also called
- South American disease
 - Trypanosomiasis
 - South American Trypanesomiciditis
 - South African trypanosomiasis
23. The following are of tissue flagellases except
- Crithidia
 - Leishmania form
 - Leptomonad
 - Mastigote
24. The following are modes of infection of trypanosome bruzi cruzi
- Contaminative
 - Congenital
 - Orality
 - Innoculation
25. New dehhi boil is associated with
- Leishmania donovani
 - Leishmania tropica
 - Leishmmania braciensis
 - LEishanania guynensi
26. Habitat of Babesia is
- RBC
 - WBC
 - Platelates
 - Plasma
27. The following parasites are tranmitted by inoculation except
- Plasmodium
 - Leishmania
 - Babesia
 - Isospora belli
28. The following reagents are used in modified ritches concentration except
- Formaline
 - Saline
 - Ether
 - Eosine

29. The following are non pathogenic flagellates except
- Enteromonas Homin's
 - Trichomonas hominis
 - TRichomonas tenax
 - Trichomanos vaginalis
30. Inhalation is a mode of infection with
- Strongyloides stercoralis
 - Enterobius vermicularis eggs
 - Hookworms
 - Ascaris lumbricoides adult worm
31. The eggs of the following parasite are flattened on the ventral side and convex on the dorsal side
- Strongyroides stercoralis
 - Hookworms
 - Trichuris trichiura
 - Enterobius vermicularis
32. Heterogonic and hologonic phases are associated with the following parasites
- Wuchereria bancrofti
 - Brugia malayi
 - LoaLoa
 - Strongyloides stercoralis
33. The following larvae have invaginated stoxes
- Procecoide larvae
 - Plerocercoid larvae
 - Echinococcus
 - Filariform larvae
34. Cysticercus boris is
- The larvae of Teania serginata
 - The larvae of Taenia solium
 - The larvae of echinococcus granulosus
 - The larvae of hemimolepis nana
35. The longest tapeworm infecting man is
- Dypilidium caninum
 - Diphylobothrium latum
 - Taenia solium
 - Taenia serginata

36. The following is a genera of pseudophyllidian cestode
- a) Spirometra
 - b) Eshinococcus
 - c) Dypilidium
 - d) Hymenolepis
37. Sparganosis is associated with
- a) Hymenlepis deminuta
 - b) Taenia serginata
 - c) Taena solium
 - d) Spirometra mansoni
38. The following flukes do not encyst
- a) Schistosomes
 - b) Fasciola
 - c) Fasciolopsis
 - d) Dicrocoelum
39. Body boses is a features of the parasite
- a) LoaLoa
 - b) Onchocerca
 - c) Wuchereria
 - d) Mansonella
40. Guinea worm is synonymous to
- a) Dracunculus medinensis
 - b) Mansonella ozzandi
 - c) Wuchereria bancrofi
 - d) Ascaris lumbricoides

SECTION B Essay

1. Discuss the effects of parasites to the host **(20marks)**
2. Using well labelled diagram describe the different types of cercaria of trematodes. **(20marks)**
3. (i) Discuss the control measures of the following
 - (a) *Tenia saginata* **(5marks)**
 - (b) Schistosomes **(5marks)**
- (ii) Differentiate the following and give examples
 - (a) Intermediate and definitive host
 - (b) Endoparasite and ectoparasite
 - (c) Obligate and facultative parasite
 - (d) Vector and parasite**(10marks)**