

TECHNICAL UNIVERSITY OF MOMBASA

Faculty of ENGINEERING & TECHNOLOGY

DEPARTMENT OF MEDICAL SCIENCES
FACULTY OF APPLIED AND HEALTH SCIENCES
CMLS 13 M MID ENTRY

AML 1106: MEDIACAL PARASITOLOGY I

END OF SEMESTER EXAMINATIONS

SERIES: DECEMBER 2013

TIME: 2 HOURS

INSTRUCTIONS:

- 1. This paper consists of Two sections, Answer all questions in A and B.
- 2. This paper consists of Eight printed pages

SECTION A

- 1. Giarcha lamblia trophozoities has
 - A. Aggeda
 - B. flagecla
 - C. flagella
 - D. Flagella
- 2. Identification of a hiophozoite with food vaconle and containing red blood cells in the cytoplasm is a diaquostic feature of:
 - A. Gutamoeba coli
 - B. Entamoeba hystolylica
 - C. Balantidium coli
 - D. Trichomonas vaginalis
- 3. Leishmania spelies in Kenya is transmitted by
 - A. Simulium flies
 - B. Chrysopes flies
 - C. Phelobotomine flies
 - D. Culi coides
- 4. Pathrogenic ciliate is diagmised in the laboratory by examining stool looking for the presence of
 - A. An Iodine cyst
 - B. Flagula
 - C. A large cycst
 - D. Non nucleate cyst
- 5. Toxoplasma are classified in the following class:
 - A. coclidia
 - B. sporozoa
 - C. gimeria
 - D. ciliata
- 6. Pathology associated with Giardiasis includes
 - A. Halmolytic anaemia
 - B. Leakamia
 - C. Megaloblastic anaemia
 - D. Normolytic anaemia

- 7. Which one of the following is not a flagellete A. Trichomonas vaginalis B. Chilomastic mensineli C. Trichomonas homims D. Entamoeba histolyliea 8. Which one of the following can be a mostly like; y a vector of balantidiasis A. Mosquitoes B. Ticks C. Louse D. Cockraches Apicomplex a organisms includes: A. Serous B. Connective C. Mascular D. Epithelium E. Nervous.
 - 9. Ball and socket joints have rounded head or ball which articulatesin a socket. Which one of these is not?
 - A. Trematodes
 - B. Pseudopodes
 - C. Ciliates
 - D. Plasmodium
 - 10. Kala-azaris a form of leishmamasis also reffered to as:
 - A. Visceral leishmamasis
 - B. Espundia
 - C. Mucocuteneous leishmamasis
 - D. Oriental sore
 - 11. Maline cycst of entamoeba coli contams
 - A. Live muclei
 - B. Eight muclei
 - C. Four muclei
 - D. One muclei
 - 12. Which of the following is a type of lifecycle of an organism where it is completed within a single host.
 - A. Monoxenous
 - B. Monogenean
 - C. Monozoic

- D. monoecious
- 13. Most palliogenic speicies of plasmodium is
 - A. P. falciparum
 - B. P. malarial
 - C. P. orale
 - D. P. vivax
- 14. Sexual stage of cryptosporidium species is reffered it as
 - A. merozoite
 - B. meront
 - C. macrogamete
 - D. Immaline oocyte
- 15. Transmission of naeglena floweri to human host occurs via?
 - A. Housefly containing food and water for drinking
 - B. Mosquitoe vetor
 - C. Through the skin penetrating on bane fort
 - D. Through the nostril when in contact with fiscally contaminated water.
- 16. The African Trypanosomiasis id transmitted by:
 - A. glossima
 - B. triatoma
 - C. cimex
 - D. Blastella
- 17. Which one of the following is not an intestinal coccidian
 - A. Isospera belli
 - B. Sarlocyctis homims
 - C. cytosporiduim
 - D. Toxo[lasma gondii
 - E. None of the above
- 18. Protozoa which infects red blood cells includes
 - A. Toxoplasma
 - B. ISOs pora
 - C. Plasmodium
 - D. Cestodess
- 19. Which of the following solutions can not be used for direct microscopy in parasitological laboratory..
 - A. Eosin
 - B. Dobells iodine
 - C. Physiological saline
 - D. 10% formalin
- 20. Intermediate host of typanosoma brulei rhodesience includes

- A. Tsetsefly
- B. Triatomine bug
- C. Horsefly
- D. Sandfly
- 21. The following are preventive measures of entamoeba histolylia except
 - A. Hand washing after defeacalim and before eating
 - B. Covering of foods
 - C. Avoid eating green salads
 - D. Avoid unprotected sexual intercose
- 22. Amoeba memingocephalilis can be diagramised from
 - A. Stool/facial sample
 - B. Liver abscess aspirate
 - C. Urine
 - D. Celebral spinal fluid.
- 23. Which one of the following is not a clinical feature of ,malarial infection
 - A. Relaxing stage
 - B. Fever stage
 - C. Cold stage
 - D. Sweating stage
- 24. Complications of plasmodium infection includes the following except.
 - A. Anaemia
 - B. Hypoglycaemia
 - C. Black water fever
 - D. Hypertension
- 25. Malaria infection can be transmitted through the following except
 - A. Skin contact
 - B. Mosquitoe bite
 - C. Blood transfusion
 - D. Infections from needles and syringes contaminated with blood.

- 26. Staining techniques used for cytosporidia examination includes
 - A. Gram stain
 - B. Glemsa stain
 - C. Kinyous acid fast stain
 - D. Ziehl Nielsen stain

- 27. The colour of gametocytes cytoplasm of a femeale P. falciparum is
 A. pink
 B. Red
 C. White
- 28. Malarial stage transmitted by the vector is
 - A. Zygote

D. Blue

- B. Oocyst
- C. Ookinatte
- D. Sporozoite
- 29. The aim of anthropophillic vector is
 - A. For food purposes
 - B. For film
 - C. For Nisance
 - D. For geggs maturation
- 30. The diafnostic feature of intestinal amoebiasis is
 - A. Looking for mucoid stool specimen
 - B. Looking for trophozoite with bacteria
 - C. Looking for clamped Red blood cells in the trophozoite
 - D. Looking for Red blood cells in the stool specimen
- 31. The feature that differentiates between P. falcipanion and P. malarial trophozoites is
 - A. Double chromalin
 - B. Size of the host cell
 - C. Acole form
 - D. Shape and size of the host cell
- 32. Comet shape is a characteristic appearance of
 - A. P. Ovale
 - B. P. vivax
 - C. P.malarial
 - D. P. falciparum
- 33. Which one of the following has a direct life cycle
 - A. Trpanosoma cruzi
 - B. Trypanosomab gambiense
 - C. Trypanosoma b. Rhodisiense
 - D. Entamoeba histolylicia

- 34. The following are diagnostic methods of toxoplasmosis in the laboratory except
 - A. Seriological test
 - B. Gremsa or field stainig techniques
 - C. Animal inculation
 - D. Direct stool microslopy.
- 35. The following are concentration methods used in parasitological laboratory except
 - A. Formal either method
 - B. Overnight sedimatation
 - C. Zinc floatalim technique
 - D. Enter test
- 36. The use of chin of the malaria slides is
 - A. Parasite concentialim
 - B. Increasing sensitivity
 - C. Species identification
 - D. To examine small volume of blood
 - E. Myometrium
- 37. The best specimen used for the diagnosis of malaria is
 - A. Vonous blood
 - B. Arlerial blood
 - C. Overnight blood
 - D. Fresh blood
- 38. Control of protozoan parasites involves
 - A. Abandon some culhiral behaves
 - B. Hard working
 - C. Physical exercise
 - D. Personal hygiene
- 39. Identification of the free living amoeba (Naegleua species is by:
 - A. Utilisation of Escherichae coli bacteria
 - B. Increase in the C.S.F glucose and reduction in C.S.F proteins
 - C. Presence of poly morphonuclear of bacteria in C.S.F.
 - D. Tosmiophilia
- 40. Dignosis of malaria relies on the demonstration of ring forms in
 - A. White blood cells
 - B. Plasma
 - C. Salivary glands of tse tse fly
 - D. Red blood cell

SECTION B ANSWERS ALL QUESTIONS.

1.a)State and explain	(10marks)
i)Parasitic factors	
ii) Host factors	
b) Draw a well labeled diagram of Giardia cambilia trophozoite and give its lifecycle.	(10marks)
2a)Describe the lifecycle o plasmodium falci.	
b) Discuss the entero-test used to diagnose intestinal lagelletes	(20marks)
3Discuss the preventive and control of intestinal protozoama	(20marks)