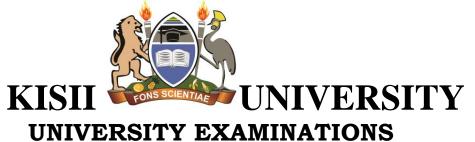
<u>MEDS 222</u>

<u>PAPER II</u>



SUPPLEMENTARY/SPECIAL EXAMINATIONS SECOND YEAR EXAMINATION FOR THE AWARD OF THE DEGREE BACHELOR OF MEDICINE AND BACHELOR OF SURGERY (MBCHB) END OF YEAR SUPPLEMENTARY/SPECIAL EXAMINATION [2021/2022 ACADEMIC YEAR]

MEDS 222: MEDICAL MICROBIOLOGY I

STREAM: Y2 S2

TIME: 2 HOURS

DAY: WEDNESDAY, 9:00 - 12: 00 P.M.

DATE: 27/04/2022

INSTRUCTIONS

- 1. Do not write anything on this question paper.
- 2. Attempt ALL questions in section in section A, in section B, attempt any THREE questions.

SECTION A: ATTEMPT <u>ALL</u> THE QUESTIONS

1. Briefly describe the importance of the fungi in our ecosystems (4marks)

2. With the help of examples describe how fungi can be classified in relation to nutrition (4marks)

3. Discuss how capsules have played a key role in fungal pathogenicity (3marks)

4. Athletes' feet have been found to be a common fungal condition in some households. Give a detailed account of this condition citing its causative agent. (4marks)

5. Describe chromoblastomycosis condition manifests itself clinically (3mks).

6. Briefly describe how *B. dermatitidi*scan be diagnosed in a medical mycology laboratory. (4 marks)

7. Describe briefly how CNS cryptococcus presents itself. (3 marks) Page 1 of 2

8. Outline the unique characteristics of nematodes of medical importance (5 marks)	
9. Explain why it is difficult to treat Trichiuris infection	(2 marks)
10. Explain the life cycle of Trichinella spiralis	(5 marks)
11. By giving 5 examples, explain how geographical factors can affect the distribution of parasites? (5 marks)	
12. Explain 5 ways that a parasite can harm the host	(5 marks)
13. Describe the pathology of urinary schistosomiasis	(5 marks)
14. Distinguish between a salivarian and stercorarian trypanosome	
15. Describe the life cycle of Leishmania major	(2 marks) (3 marks)
16. Explain how you can diagnose Toxoplasma gondii infection	(2 marks)
17. Which protozoan parasites is responsible for causing diarrhoes secretion and flatulence?	a, mucus (1 mark)
 SECTION B: ATTEMPT ANY THREE QUESTIONS Piedra is one of the most common fungal infections in some ho that infects humans. Discuss it under the following subheadings Causative agents Pathogenesis and clinical manifestation Its diagnosis Its management a. With the help of illustrations describe the following forms 	(2 marks) (10 marks) (6 marks) (2 marks)
 sexual reproduction methods i. Planogametic copulation ii. Spermatization b. Briefly describe<i>Histoplasma capsulatum</i> under the following subheadings i. Clinical manifestation ii. Pathogenesis 	(5 marks) (5 marks) (5 marks) (5 marks)
3. Discuss Anchylostoma duodnale in relation to:	
a) Life cycle	(5 marks)
b) Epidemiology	(5 marks)
c) Pathology	(8 marks)
d) Prevention and control	(2 marks)
4. Discuss <i>Plasmodium</i> in relation to its life cycle, epidemiology and pathogenesis (20 marks)	