



UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF
SCIENCE IN BIOMEDICAL TECHNOLOGY**

BMET 233: MEDICAL HELMINTHOLOGY

STREAMS: BCOM & BCOP Y3S2

TIME: 2 HOURS

DAY/DATE: FRIDAY 12/4/2024

11.30 A.M. –1.30 P.M.

INSTRUCTIONS: Answer question ONE and any other TWO questions

Question 1(Compulsory) – 30 marks

- (a) Briefly describe the developmental stages of *Drancuculus medinensis* in man.(5 marks)
- (b) Explain the pathogenicity and clinical features of African eye worm. (5 marks)
- (c) Highlight FIVE ways by which human beings get exposed to helminthes. (5 marks)
- (d) Briefly describe laboratory diagnosis of cysticercosis. (8 marks)
- (e) Explain the life cycle of *Hymenolepis nana*. (7 marks)

Question 2 (20 marks)

- (a) Using an illustration, describe the life cycle of *Schistosoma species*. (10 marks)
- (b) Describe the pathogenesis and clinical features of cutaneous larva migrans. (10 marks)

Question 3 (20 marks)

- (a) Describe clinical laboratory diagnosis of *Strongyloides stercoralis*. (10 marks)
- (b) Describe the morphology of female, male and egg of *Enterobius vermicularis*.(10 marks)

Question 4(20 marks)

- (a) Describe the developmental stages of *Ascaris lumbricoides* in soil and man. (10 marks)
- (b) Explain the pathogenesis of classical filariasis. (10 marks)

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