



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: BIO411
COURSE TITLE: PARASITOLOGY

TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER THREE QUESTIONS

1. (a) Distinguish very clearly between the following pair of terms:
 - (i.) Parasites and Parasitology (5 marks)
 - (ii) Helminthology and Malariology (5 marks)
- (b). Using a simple triangle, discuss the causal web of a parasitic disease (10 marks)
- (c). Give **one** named example of the following groups of parasites: Protozoa, Trematodes, Acanthocephalans, Arthropods and Cestodes (5 marks)
2. (a). List **ten** aims of epidemiology. (5 marks)
- (b). Discuss briefly, five branches of Parasitology. (10 marks)
3. (a). Using a schematic diagram, discuss the life cycle of *Polymorphus* spp. (10 marks)
- (b). Briefly explain the term “Loose associations”. (5 marks)
4. Discuss the life cycle of *Schistosoma* spp with the aid of a schematic diagram.(15 marks)
5. (a). How do biological features of Nematodes differ from those of (i) Arthropods, (ii) Protozoans and (iii) Acanthocephalans (10 marks)
- (b). Briefly explain the term “Disability Adjusted Life Years (DALYs) (5 marks)
6. (a). Enumerate **four categories** of parasitism and give two **examples** in each category. (8 marks)

(b). Distinguish very clearly between host-specificity and host selection in host-parasite relationship, and discuss the terms commonly used to define host selection .
(7 marks)