



National Open University Of Nigeria
Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja
Faculty of Sciences
JANUARY/ FEBRUARY 2018 EXAMINATIONS

COURSE CODE: BIO 411
COURSE TITLE: PARASITOLOGY
CREDIT UNITS: 2
TIME ALLOWED: 2 HOURS

INSTRUCTION: ANSWER **QUESTION 1** AND **ANY OTHER THREE** QUESTIONS

1. (a) Define a host. (2 marks)
(b) Give **two** named examples of the following groups of parasites: Protozoans, nematodes, Acanthocephalans, Arthropods (4 marks)
(c) Enumerate **four categories** of parasitism and give two named **examples** of each category. (8 marks)
(d) Enumerate **ten** aims of epidemiology (5 marks)
(e) Describe the tools of measurement in epidemiology. (6 marks)
2. (a) Briefly explain the Disability Adjusted Life Years (DALYs) (5 marks)
(b) Distinguish between Parasitology and Epidemiology (5 marks)
(c) Describe any five branches of Parasitology (5 marks)
3. (a) Outline the major features of the life cycle of ancanthocephalans that distinguished them from leeches and arthropods? (5 marks)
(b) Describe the mode of transmission of parasitic diseases with the aid of an illustration (10 marks)
4. With the aid of a **schematic diagram**, describe the life cycle of human *Plasmodium* species (15 marks)
5. (a) Using suitable illustrations, describe the life cycle of *Polymorphus* species. (5 marks)
(b) Give a **detailed** description of Loose associations (10 marks)