



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi - Abuja**  
**Faculty of Science**

**JULY, 2017 EXAMINATION**

**COURSE TITLE: PARASITOLOGY**

**COURSE CODE: BIO 411**

**CREDIT: 2 units**

**TIME ALLOWED: 2 HOURS**

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

1. (a) Define parasitology, (2 marks)  
(b) Give a **detailed** description of the scope of parasitology. (4 marks)  
(c) Distinguish between Parasitology and Epidemiology. (5 marks)  
(d) i. Outline any **eight** branches of Parasitology. (4 marks)  
    ii. Briefly explain any **five** of the branches outlined in (i). (10 marks)
2. (a) List **ten** aims of epidemiology (5 marks)  
(b) With the aid of a **schematic diagram**, briefly discuss the transmission of parasitic diseases (10 marks)
3. (a) List the demographic factors for consideration in epidemiology. (4 marks)  
(b) **Briefly** describe the tools for measurement in epidemiology. (6 marks)  
(c) Distinguish between host-specificity and host selection in host-parasite relationship (2 marks)  
(d). Discuss the terms commonly used to define host selection (3 marks)
4. (a) Differentiate the characteristic biological features of trematodes and cestodes. (5 marks)  
(b) Give a **detailed** description of Loose associations (10 marks)
5. With the aid of a **schematic diagram**, describe the life cycle of human *Plasmodium* species (15 marks)