



**NATIONAL OPEN UNIVERSITY OF NIGERIA
UNIVERSITY VILLAGE, PLOT 91, CADASTRAL ZONE
NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PUBLIC HEALTH SCIENCE
2025_2 EXAMINATIONS.**

COURSE TITLE: PUBLIC HEALTH MICROBIOLOGY AND ENTOMOLOGY (PHS818)

COURSE UNITS: 2 Units

TIME ALLOWED: 1¹/₂ Hours

TOTAL MARKS: 70 %

INSTRUCTION: Answer ALL Questions

QUESTION 1 (30 marks)

(Q1a) Cryptococcosis is a fungi-like disease caused by the infection of *Cryptococcus neoformans* manifesting most commonly as Meningitis. Describe this disease in details with emphasis on epidemiology and symptoms (15 marks).

(Q1b) Write short notes on : (i) Maduromycosis (5 marks)
(ii) Mucormycosis (5 marks)
(iii) Aspergillosis (5 marks)

QUESTION 2 (20 marks)

(Q2a) Chicken pox is a contagious illness as a result of infection Chicken pox virus. With the aid of a diagram, describe Chicken pox virus, stating the symptoms and preventive measures of Chicken pox disease (10 marks).

(Q2b) Discuss Ebola virus infection under the following headings:

- (i) Transmission (5 marks)
- (ii) Prevention (5 marks)

QUESTION 3 (20 marks)

(Q3a) Write short notes on the following Insects of medical importance:

- (i) Sandflies (5 marks)
- (ii) Fleas (5 marks)

(Q3b) Discuss the word "Medical entomology" (10 marks).