



**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) Cryptocosis 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)**.