



**ELIZADE UNIVERSITY,
ILARA-MOKIN,
ONDO STATE**

FACULTY: BASIC & APPLIED SCIENCES

DEPARTMENT: BIOLOGICAL SCIENCES

FIRST SEMESTER EXAMINATION

2016/2017 ACADEMIC SESSION

COURSE CODE: MCB 409

COURSE TITLE: MEDICAL MICROBIOLOGY AND PUBLIC HEALTH

DURATION: 2 HOURS

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HOD's SIGNATURE

NAME:.....MAT. No:.....

**INSTRUCTION
ANSWER ANY THREE (3) QUESTIONS.**

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1. (a) Define petroleum and describe the various stages involved in epidemiological investigations.

(b) Describe the three types of epidemiological study you have learnt.

2 (a) Explain the following term: (i) Latency of infection; (ii) Incubation period; (iii) Antigenic drift; (iv) Epidemic and (v) Pandemic

(b) List six (6) *Neisseria spp* associated diseases and differentiate between gonorrhoea in a male and in female in a tabular form.

3. (a) Write brief notes on the followings: virulence factors, laboratory diagnosis and prevention of gonorrhoea.

(b) List the functions of the following *Staphylococcus aureus*: (i) Microbial surface component recognizing adhesive matrix molecules (MSCRAMMs) for colonization; (ii) Extracellular proteins; (iii) *Staphylococcal* toxins; (iv) Pathogenesis (v) Disease(s) caused

4. (a) Using coagulase and catalase tests, differentiate *Staphylococcus aureus* from other *Staphylococcus* species.

(b) Outline the uses of epidemiological investigations and their importance.