



**FEDERAL UNIVERSITY OF TECHNOLOGY, MINNA**  
**DEPARTMENT OF MICROBIOLOGY**  
**FIRST SEMESTER EXAMINATION, 2017/2018 SESSION**  
**PRINCIPLES OF EPIDEMIOLOGY & PUBLIC HEALTH (MCB 414), 3UNITS**

**Instruction: Answer any five questions**

**Time: 2 Hours**

1. Define the following terms with their relevant examples
  - (a) Endemic disease
  - (b) Pandemic
  - (c) Prevalence
  - (d) Incidence
2. Explain in details the strategies used by an Epidemiologist in the control of epidemics
3. An outbreak of cholera has been reported in a community with human population of 100,000. The number of infected individuals increased from 100 to 150 after two weeks. Calculate:
  - (a) The prevalence
  - (b) The incidence
4. Discuss in a detail who is an Epidemiologist?
5. Write exhaustively on Nosocomial infection
6. A suspected case of Ebola disease has been reported to you as the chief Epidemiologist of your state. Explain in an orderly manner the steps you will take to stop further spread of the disease.
7. Write short notes on the following:
  - (i) Opportunistic pathogens
  - (ii) Reservoir