

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCES**  
**FOURTH YEAR SECOND SEMESTER EXAMINATION- SEPTEMBER 2018**

**MLSEP 4241 EPIDEMIOLOGY**

**DATE: 21.09.2018**

**TIME: 1 Hour**

**ANSWER ALL FOUR QUESTIONS**

**Each question carries 100 marks. Marks for each part is given within brackets**

1.

- 1.1. Define the term "Epidemiology". (20 Marks)
- 1.2. Describe the epidemiology of dengue fever. (80 Marks)

2.

- 2.1. List the agents of disease. (20 Marks)
- 2.2. Describe the modes of transmission of disease giving example for each mode of transmission. (40 Marks)
- 2.3. Briefly list methods in the prevention and control of communicable diseases. (40 Marks)

3.

- 3.1. List the Notifiable diseases in Sri Lanka. (30 Marks)
- 3.2. Describe the case classification of typhoid fever for purposes of notifying typhoid fever in the ward. (30 Marks)
- 3.3. Describe the Laboratory criteria for diagnosis of a Case of Typhoid. (40 Marks)

4. Write short notes on:

- 4.1. Immunity (25 Marks)
- 4.2. Epidemics (25 Marks)
- 4.3. Determinants of Cardiovascular disease (25 Marks)
- 4.4. Incidence and Prevalence (25 Marks)