

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**SECOND EXAMINATION FOR MEDICAL DEGREES PART II–FEBRUARY 2011**  
**COMMUNITY MEDICINE**

Date: 21.02.2011.

Time: 03 hours

ANSWER ALL THE **SIX** QUESTIONS

1. 1.1 Explain the following terms
  - 1.1.1. Qualitative data (10 Marks)
  - 1.1.2. Histogram (10 Marks)
  - 1.1.3. Case Control Study (10 Marks)
  - 1.1.4. Clinical trials (10 Marks)
  
- 1.2. A study was carried out to estimate the mean hemoglobin (Hb) level of pregnant mothers in 100 pregnant women attending Ante Natal Clinics in Nallur Medical Officer Health (MOH) area. The study revealed that the mean Hb level was 8.5g/dl with a standard deviation of 1.44.
  - 1.2.1. Give the value for +2 and -2 SD of Hb level of ANC mothers in the above MOH area. (20 Marks)
  - 1.2.2. What is the 95% confidence interval of Hb level in the same pregnant mothers (20 Marks)
  - 1.2.3. Explain the usefulness of the study in the routine activities of the MOH (20 Marks)
  
2. 2.1. Define the term Epidemiology (10 Marks)
  - 2.2. Describe the uses of Epidemiology (25 Marks)
  - 2.3. Discuss the epidemiology of Dengue fever (50 Marks)
  - 2.4. You are expected to explain the meaning of “Epidemiology of communicable diseases” to a group of school children in year 10. What points will you stress? (15 Marks)
  
3. Assume you are the MOH of an area. The Disaster Management Centre has warned you that there is a likelihood of floods in your area during the next two weeks.
  - 3.1. What preparatory action will you (in collaboration with other sectors) take immediately and until the floods occur (40 Marks)
  - 3.2. If floods occur what action will you take to maintain the health of the affected population (30 Marks)
  - 3.3. What action will you take after the floods have subsided (30 Marks)

4. More than the usual numbers of typhoid patients have been admitted to the hospital where you are working.
- 4.1. Explain how you will confirm whether there is an outbreak in your area? (15 Marks)
  - 4.2. Write down the surveillance case definition for enteric fever. (15 Marks)
  - 4.3. List the steps involved in the investigation of the above outbreak. (20 Marks)
  - 4.4. Prepare a detail program of activities for control and prevention of spread of Typhoid Fever in an area. (50 Marks)
5. 5.1. Define Waste. (10 Marks)
- 5.2. List the health hazards of waste. (15 Marks)
  - 5.3. List the methods of waste disposal in Sri Lanka. (40 Marks)
  - 5.4. Describe the types of hospital waste and methods of disposal. (35 Marks)
6. Write short Notes on-
- 6.1. Hormonal contraceptives. (25 Marks)
  - 6.2. Writing a prescription in a PHC setting. (25 Marks)
  - 6.3. Maintenance of records of patient's in a PHC setting. (25 Marks)
  - 6.4. Methods of Nutritional assessment (25 Marks)