

UNIVERSITY OF JAFFNA
THIRD EXAMINATION FOR MEDICAL DEGREES –January 2009

COMMUNITY MEDICINE

Answer ALL SIX questions

Date: 07.01.2009

Each question carries 100 marks. The marks allocated for each part of the question is given against that part

Time: 9 am – 12 noon

1.
 - 1.1. Define the terms
 - 1.1.1. Confidence Interval (20 marks)
 - 1.1.2. Variance (20 marks)
 - 1.2. The mean sodium concentration in blood of 25 cases was 130 mmols/L with a Standard deviation of 10 mmols/L.
 - 1.2.1. Calculate the standard error of the mean (20 marks)
 - 1.2.2. Calculate the 95% confidence interval (20 marks)
 - 1.2.3. If you calculate the 99% confidence interval, will the range decrease, increase or remain same? Explain giving reasons for your answer (20 marks)

2.
 - 2.1. Explain the following terms giving examples
 - 2.1.1. Rates and Proportions (10 marks)
 - 2.1.2. Notification of Disease (10 marks)
 - 2.1.3. Isolation and Quarantine (10 marks)
 - 2.1.4. "Triple Burden of Disease" (10 marks)
 - 2.2. Describe the "Epidemiological transition" in Sri Lanka (30 marks)
 - 2.3. Discuss the actions that could be taken to face this transition. (30 marks)

3.
 - 3.1. List the common nutritional problems seen in clinical practice (20 marks)
 - 3.2. List the methods available to assess the Nutritional level of a population (20 marks)
 - 3.3. Describe in detail the most appropriate method you could use, to assess the common nutritional problems of children 1-2 years old in a welfare centre, utilizing the Public Health midwife in the area. (60 marks)

- 4.
- 4.1. List the objectives of School health services (10 marks)
 - 4.2. Describe the activities carried out by a PHI under school health activities (20 marks)
 - 4.3. Discuss the deficiencies in School Medical Inspections (20 marks)
 - 4.4. List the common dental problems found among school children (20 marks)
 - 4.5. Describe the activities that could be carried out by an MOH to reduce the prevalence of Dental problems among school children (30 marks)
- 5.
- 5.1. Discuss the usefulness of taking an occupational history in clinical practice (30 marks)
 - 5.2. List the Occupational hazards of
 - 5.2.1. Toddy tappers (15 marks)
 - 5.2.2. Farmers (15 marks)
 - 5.3. Discuss the health and related problems that can arise as a result of heavy seasonal rains and action that could be taken to prevent these problems among the above mentioned occupational groups. (40 marks)
6. Write short notes on
- 6.1. Ethics in Medical Practice (25 marks)
 - 6.2. Early Child Care & Development (ECDD) (25 marks)
 - 6.3. Pentavalent vaccine (25 marks)
 - 6.4. Hospital waste disposal (25 marks)

