UNIVERSITY OF RUHUNA
FACULTY OF MEDICINE

THIRD EXAMINATION FOR MEDICAL DEGREES PART II,   08th DECEMBER 2005
COMMUNITY MEDICINE PAPER I

Answer __ALL FIVE__ questions
Answer each part in a *SEPARATE* book   *Duration: Three Hours*

Part A

1. 1.1

    1.1.1   What is a maternal death?   *(10 marks)*

    1.1.2   List the major causes of maternal deaths in Sri Lanka.   *(15 marks)*

    1.1.3   Briefly describe steps that should be taken to reduce
    maternal deaths in Sri Lanka.   *(25 marks)*

    1.2

    1.2.1   List the levels of prevention.   *(15 marks)*

    1.2.2   Describe each level of prevention with regards to prevention of
    coronary heart diseases.   *(35 marks)*

2. 2.1

    2.1.1   How would you control malnutrition in a Health Unit area where the
    prevalence of malnutrition in pre-school children is 60%?   *(25 marks)*

    2.1.2   What is the Family Health Worker's role in maintaining proper growth
    and development of the infants?   *(25 marks)*

    2.2 Describe the measures that should be adopted to avoid or minimize
    occupational injuries among factory workers.   *(50 marks)*

3. 3.1 Write notes on the following.
    3.1.1 Registration of vital events.   *(20 marks)*
    3.1.2 'Age pyramid'.   *(25 marks)*
    3.1.3 Life expectancy.   *(20 marks)*

    3.2 Describe the role played by the Public Health Inspector in providing
    environmental health in his area.   *(35 marks)*

Part B

4. 4.1 Explain in brief what you mean by a "Risk " in Epidemiology.   *(25 marks)*

    4.2 Among 500 children at risk, 300 are boys and 200 are girls. If 75 boys
    and 25 girls develop chicken pox respectively, what is the relative risk
    of boys developing chicken pox compared to girls?   _ 2_   *(50 marks)*

    4.3 Explain in brief the difference between point prevalence and
    period prevalence.   *(25 marks)*

5. 5.1 Briefly explain the measures of central tendency and measures of dispersion(variability).

(50 marks)

5.2 A sample of 138 medical students were randomly selected and asked their view about appointing intern medical officers mainly on marks obtained in a common MCQ paper based on theory. 64 students agreed, 48 students disagreed and 26 students had no options. Check for the significance of results obtained using a suitable significance test.

(50 marks)

degrees of freedom	Probability level	
	0.05	0.01
1	3.84	6.64
2	5.99	9.21
3	7.82	11.34
4	9.49	13.28