

UNIVERSITY OF JAFFNA, SRI LANKA  
THIRD EXAMINATION FOR MEDICAL DEGREES PART II – June 2009

**COMMUNITY MEDICINE**

**Answer ALL SIX questions**

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

Date: 16.06.2009

Time: 9 am – 12 noon

1.

1.1 Explain the following terms

- i. Variable (15 marks)
- ii. Normal distribution (15 marks)
- iii. Systematic sampling (15 marks)
- iv. Confidence interval (15 marks)

1.2 A study of systolic blood pressure (BP) among school children gave a mean distribution of 100 mmHg and SD of 12.5mmHg. What will be the 95% confidence limit?

(40 marks)

2 Describe the term 'Risk Factor'

(10 marks)

2.1 List five risk factors for each of the following diseases

2.1.1 Diabetes (10 marks)

2.1.2 Cervical cancer (10 marks)

2.2 A researcher needs to identify the association between a disease and risk factor.

Describe the type of study designs he/she should plan. (Give reasons)

(20 marks)

2.3 A 40 year old mason from Delft, with a family of four school going children was treated for Myocardial Infarction at Jaffna teaching Hospital. When you (as a House Officer) discharge the patient, what factors should you consider in follow up management of the patient?

(50 marks)

3

3.1 Explain the term "Disaster"

(10 marks)

3.2 List the Types of disasters

(10 marks)

3.3 Describe the health problems and needs which result from mass displacement  
Of populations following a disaster (40 marks)

3.4 What action will you take as a medical officer of Health to prevent the spread of  
Communicable diseases among a population of displaced persons occupying a  
School (40 marks)

4

4.1 List the nutritional problems that are mostly prevalent in children under 5 years  
in Sri Lanka (20 marks)

4.2 Discuss the programs implemented by the Health Services which could prevent  
the development of the above mentioned nutritional problems (60 marks)

4.3 What further measures would you suggest to reduce the existing nutritional  
problems among the above age group (20 marks)

5

5.1 Explain the levels of prevention (25 marks)

5.2 Describe the preventive activities carried out in the following situations

5.2.1 Antenatal clinic (25 marks)

5.2.2 Well women's clinic (25 marks)

5.2.3 Post natal visit by Family Health worker (25 marks)

6 Write short notes on

6.1 Child Health Development Record (25 marks)

6.2 Occupational hazards of fishermen (25 marks)

6.3 Pandemics (25 marks)

6.4 Emergency contraception (25 marks)