

UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES—JANUARY 2012
COMMUNITY AND FAMILY MEDICINE Paper II

Date: 30.01.2012.

Time: 03 hours

ANSWER ALL THE SIX QUESTIONS

Answer each QUESTION in separate answer book

1. The data collected for an MOH area for 2011 is given below.

Total population	50,000
Number of married females 15-49 years	15,000
Number of live births	600
Number of still births	10
Number of abortions	35
Total number of deaths (all ages)	250
Number of deaths due to typhoid fever	2
Number of infant deaths	20
Maternal deaths	1
Number of new cases of TB for 2011	70
Total TB cases in the area	150
Number of cases of typhoid fever	150

1.1. Calculate all possible rates (80 Marks)

1.2. Give the Mortality rates for Sri Lanka (20 Marks)

2. A recent survey of nutritional status in Jaffna district indicated that over 40% of the female adolescent population is anaemic.

2.1. List possible causes of this condition (10 Marks)

2.2. List the long term effects of this condition on the community (10 Marks)

2.3. Give in detail the interventions that you would recommend to reduce the anaemia among the adolescent females (80 Marks)

3. 3.1. List the mosquito borne diseases spread by *Aedes aegypti* in Sri Lanka (10 Marks)

3.2. List the other arthropod borne diseases (15 Marks)

3.3. Describe the epidemiology and control of the currently, most rapidly spreading disease in Sri Lanka caused by *Aedes aegypti*. (75 Marks)

4. **4.1. List the stages in the life cycle of human individual** (20 Marks)
- 4.2. List the stages in family life cycle** (20 Marks)
- 4.3. A 45 year old woman presents to you with headache. Her husband is a diabetic. They have two teenage children. The father of the patient is hemiplegic following stroke a few years ago.**
- Describe the facts you would consider in providing opportunistic health education to the woman** (60 Marks)
5. **5.1. List four (4) non communicable diseases (NCD) which cause a great burden on low and middle income countries** (20 Marks)
- 5.2. List the common factors for the non-communicable diseases you have mentioned in 5.1.** (20 Marks)
- 5.3. Describe briefly the life style modifications you would suggest to reduce the incidence of NCD in these countries** (60 Marks)
6. **Write short notes on,**
- 6.1. International classification of diseases** (25 Marks)
- 6.2. Oral contraceptives** (25 Marks)
- 6.3. Food poisoning** (25 Marks)
- 6.4. Isolation and quarantine** (25 Marks)