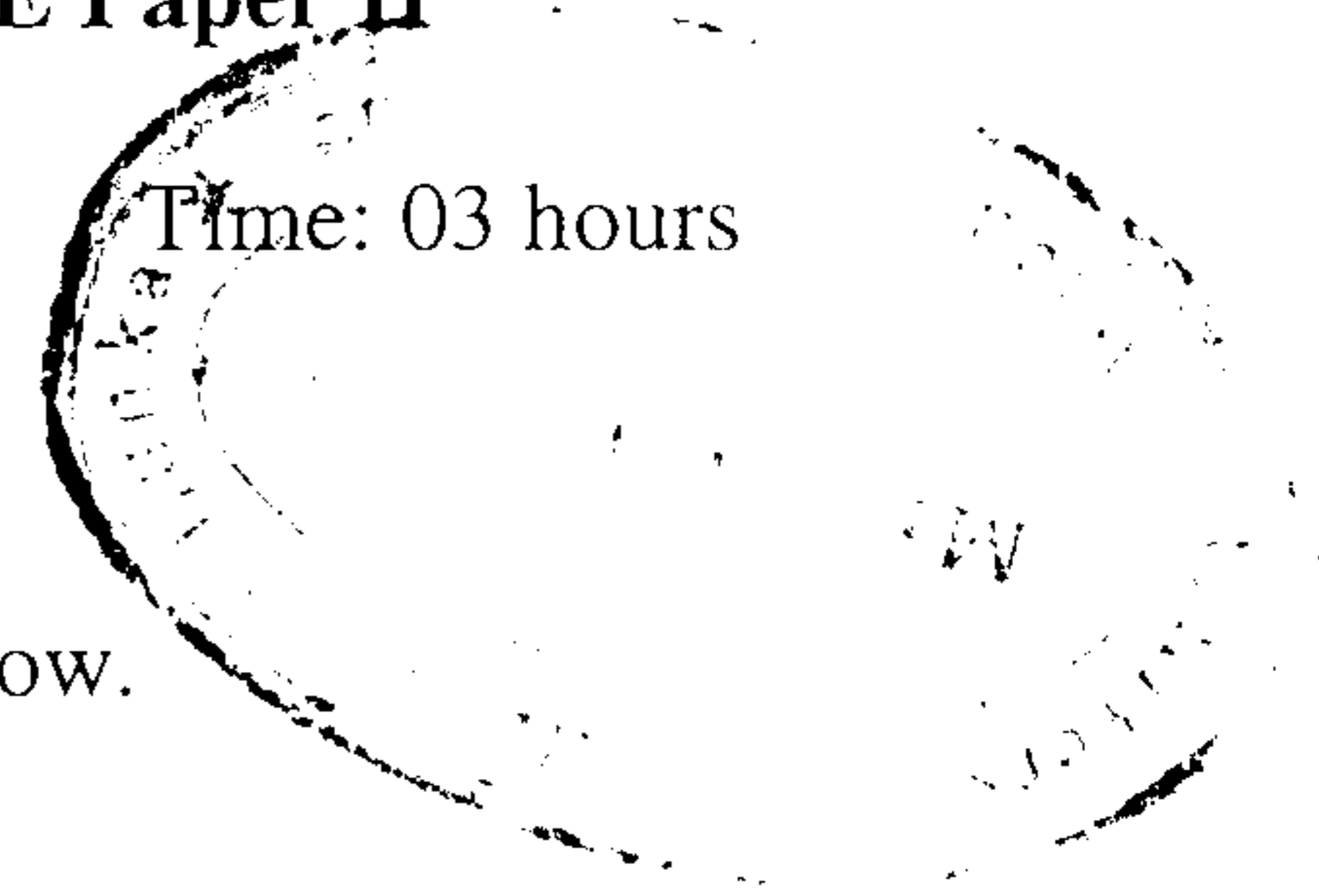


UNIVERSITY OF JAFFNA, SRI LANKA
SECOND EXAMINATION FOR MEDICAL DEGREES–JANUARY 2012
COMMUNITY AND FAMILY MEDICINE Paper II

Date: 30.01.2012.

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 spared 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 ^{risk} 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)