

SECOND EXAMINATION FOR MEDICAL DEGREES (2ND) APRIL 2017
COMMUNITY & FAMILY MEDICINE

Date: 0105.2017

Time: 3 hours

ANSWER ALL SIX QUESTIONS

Answer each question in a separate answer book.

1. Illness behavior differs from patient to patient and should be considered while managing their health issues.
 - 1.1. Name three illness behaviors could be observed in a newly diagnosed type 2 diabetes mellitus patient. (15 marks)
 - 1.2. Name five important factors influencing the illness behaviors of a newly diagnosed type 2 diabetes mellitus patient. (20 marks)
 - 1.3. Discuss how illness behaviors influence disease progression and management? (30 marks)
 - 1.4. Discuss about self-care in relation to type 2 diabetes mellitus? (35 marks)
2. Obesity is a public health problem that has become a worldwide epidemic.
 - 2.1. Briefly describe the factors affecting the world wide epidemic of obesity (30 marks)
 - 2.2. How could the epidemiological and demographic transition of Sri Lanka lead to epidemic of obesity in the country? (30 marks)
 - 2.3. As a District Medical Officer for Non-communicable diseases (MO-NCD), how will you plan for an obesity prevention programme in your district? (40 marks)
3. You take a **Simplerandom sample** of 10,000 Sri Lankans and find that 1,111 are left-handed. You perform a **test of significance** to assess whether the sample data provide evidence that more than 10% of all Sri Lankans are left-handed, and you calculate a **test statistic** of 3.7 and a **p-value** of 0.0001.
 - 3.1. Define and explain the underline terms. (40 marks)
 - 3.2. Interpret and explain the above findings. (25 marks)
 - 3.3. Discuss other probability sampling methods available to select representative samples from a population. (35 marks)

4.

4.1. The two main strategies for HPV cervical cancer prevention are cervical cancer screening and HPV vaccination. Cervical cancer screening by Pap Smear is offered through Well Woman Clinics at the MOH level but participation is low.

4.1.1. List the characteristics of an ideal screening test. (20 marks)

4.1.2. Discuss the advantages and disadvantages of Pap Smear as a screening test. (25 marks)

4.1.3. If you are the MOH Nallur, how will you design an intervention to increase acceptance of in Pap Smear screening programme in the Nallur MOH Area (30 Marks)

4.2. To date, HPV vaccination is not offered through the National Immunization programme. What information is needed to introduce the HPV vaccine into the National Immunization programme? (25 marks)

5. One of the state university was closedown due to an outbreak of a viral infection.

5.1 Define "outbreak" (20 marks)

5.2. If you are a Medical Officer of Health (MOH) of that area how will you carry out the outbreak investigation? (40 marks)

5.3. Describe the role of surveillance in outbreak investigation. (25 marks)

5.4. Mention 3 epidemiological measures could be used to assess the severity of the outbreak (15 marks)

6. Write short notes on

6.1. Personal medical records (25 marks)

6.2. Cardiovascular risk assessment (25 marks)

6.3. Medical audit (25 marks)

6.4. Occupational health problem of farmers (25 marks)