

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION IN POSTGRADUATE DIPLOMA IN
VENERELOGY – JULY 2019

Date: 2nd July 2019

Time: 1.00 p.m. – 4.00 p.m.

Answer all five (05) questions.

Answer each question in a separate book.

1. HIV prevention activities are mainly targeted at “key populations” in Sri Lanka.

1.1. Name the “key populations” in Sri Lanka. (20 marks)

1.2. Describe the methods of identifying the “key populations” in a country. (40 marks)

1.3. Describe the importance of identifying “key populations” for HIV prevention in Sri Lanka. (40 marks)

2. A 10-year-old girl whose mother is abroad, came to a district hospital with her grandmother complaining of multiple, small, painless lumps over the vulval area for one-month duration.

2.1. List four (04) important diagnoses you would consider in this child. (20 marks)

2.2. Describe the relevant information you would gather in the history to manage this child. (45 marks)

2.3. Discuss the other important management aspects of this child. (35 marks)

3. Demographic and epidemiological data related to HIV in 1998 and 2018 in country "A" are shown below:

Year	1998	2018
Total Population	5 million	5.5 million
Estimated number of people living with HIV	200,000	500,000
Estimated number of new infections within the given year	7200	7500
Life expectancy at birth	52 years	59 years
Number receiving antiretroviral therapy for HIV	2300	350,000
Deaths due to AIDS	10,000	2,000

- 3.1. Define the following terms: (10 marks)
- Prevalence
 - Incidence
- 3.2. Calculate the following measures for this population in **1998 and 2018**:
- Prevalence of HIV (20 marks)
 - Incidence of HIV (20 marks)
- 3.3. State one (01) measure of mortality related to HIV and calculate it for this population in **1998 and 2018**. (15 marks)
- 3.4. Comment on the differences seen in the HIV epidemiology in country "A" in 1998 and 2018, giving possible reasons. (35 marks)

4. As the Medical Officer of Health (MOH), you deliver a talk on HIV at an antenatal session. At the end of the talk, one of the pregnant mothers wants to know about how an HIV infected mother can feed her infant.
- 4.1. Describe the important facts you would include in your answer. (40 marks)
- 4.2. Describe the possible effects of non- breast feeding by an HIV positive mother:
- (a) On the mother herself (25 marks)
- (b) On the baby (15 marks)
- 4.3. Another pregnant mother asks whether she can refuse the antenatal HIV test as she believes that there is no way for her to get infected. How will you proceed? (20 marks)
5. Multi-sectoral collaboration is a very important aspect in prevention of HIV/STI in Sri Lanka.
- 5.1. List ten (10) sectors that work closely with the National STD/AIDS Control Programme in prevention of HIV/STI in Sri Lanka. (30 marks)
- 5.2. Describe how you would plan and implement an HIV prevention programme for hotel workers in your area as the Medical Officer of Health (MOH). (70 marks)