

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

SELECTION EXAMINATION FOR POSTGRADUATE DIPLOMA IN
VENEREOLOGY (RESCHEDULED) – NOVEMBER 2021

Date :- 26th November 2021

Time:- 1.00 p.m. – 4.00 p.m.

Answer all five (05) questions.

Answer each question in a separate book.

1. A survey done in the Western province of Sri Lanka revealed that knowledge and practices of medical officers on HIV testing is poor. Survey has also highlighted some barriers related to HIV testing.
 - 1.1. Describe the measures that can be implemented to improve the knowledge on HIV testing among medical officers. (40 marks)
 - 1.2. List four (04) possible barriers faced by medical officers related to HIV testing within hospital settings. (20 marks)
 - 1.3. Describe the activities that can be implemented to overcome the barriers you stated in 1.2. (40 marks)
2. A researcher plans to conduct a study to determine the quality of life of patients with genital warts in a sample of 140 patients attending a STD clinic.
 - 2.1. Briefly describe a suitable sampling method for the above study. (20 marks)
 - 2.2. Outline the measures to be taken to ensure the accuracy of the quality-of-life assessment. (20 marks)
 - 2.3. Briefly describe four (04) ethical issues that should be considered when conducting this study. (20 marks)
 - 2.4. The total quality of life score is shown to have a normal distribution. The researcher wishes to compare the total quality of life in the following situations. State the statistical test you would use in each situation, giving reasons.
 - 2.4.1. To compare the total quality of life score between males and females. (20 marks)
 - 2.4.2. To compare the total quality of life score before treatment and after six weeks of treatment. (20 marks)

- 3.
- 3.1. HIV self-testing (oral test) is introduced as a new testing method to increase HIV testing coverage in Sri Lanka.
Discuss the advantages and disadvantages of this new method of testing.
(40 marks)
- 3.2. A 28-year-old factory worker was diagnosed as having HIV infection. The factory authorities got to know about his HIV status and are planning to expel him from the job.
Describe how you would manage this situation as the area Medical Officer of Health (MOH).
(60 marks)
4. A 22-year-old male prisoner was admitted to a medical ward with a urethral discharge and dysuria for seven days.
- 4.1. List two (02) sexually transmitted infections (STIs) that can cause above symptoms.
(10 marks)
- 4.2. List two (02) non-sexually transmitted causes that can give rise to above symptoms.
(10 marks)
- 4.3. List three (03) complications that can develop in this patient.
(15 marks)
- 4.4. Prisoners are considered as a high-risk group to acquire STIs including HIV. Discuss the challenges in STI prevention within the prison set-up in Sri Lanka and your suggestions to overcome them.
(65 marks)
5. The World Health Organization (WHO) has declared Sri Lanka as a country that has eliminated mother-to-child transmission of HIV and syphilis. Syphilis and HIV testing services are offered to all pregnant women in Sri Lanka.
- 5.1. Describe the measures taken in Medical Officer of Health (MOH) setting for early diagnosis of HIV and syphilis in pregnant women.
(40 marks)
- 5.2. Describe the role of the MOH in managing a pregnant woman diagnosed with HIV liaising with the STD clinic.
(40 marks)
- 5.3. Explain the term “shared confidentiality” in relation to HIV positive pregnant women who receive care and services.
(20 marks)