

**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (MEDICAL ADMINISTRATION) PART II EXAMINATION**  
**MARCH 2023**

**Date:-** 27<sup>th</sup> March 2023

**Time:-** 9.00 a.m. – 12.00 noon

**PAPER I**

Answer all **five (05)** questions.

Answer each question in a separate answer book.

1. Despite hospitals and healthcare organizations taking many steps to protect their patients to ensure patient safety, the majority of medical errors result from faulty systems and processes, not individuals.  
Critically analyze this statement giving suitable examples.  
Briefly describe preventive measures to mitigate such errors. (50 marks)
  
2. The availability of pharmaceuticals and medical equipment has been considerably disrupted during the past few years in Sri Lanka. The media has also highlighted that this could be due to weak supply chain management. As the Director of the Medical Supplies Division (MSD), you are requested to analyze this issue in relation to supply chain management and to provide a report to the Director General of Health Services (DGHS) indicating the measures to overcome issues related to supply chain.  
  
Outline how you would analyse this issue and provide a brief report with your recommendations. (50 marks)
  
3. Currently it has been observed that there is a surge in the number of Medical Specialists migrating out of the country. Moreover, government policies related to retirement and granting special five year no-pay leave has warranted an impending crisis situation for managing health care services effectively.  
As a Human Resource Expert, how would you advise the Ministry of Health to mitigate the negative impact of above factors by sustaining and improving the services at the national and sub-national levels of care? (50 marks)

Contd...../2-

4. In a remote area in the district where you are posted, it has been brought to your notice that the number of patients suffering from Chronic Kidney Disease (CKD) who presented to the district hospital from this area is higher than in other areas. Local people believe that the level of arsenic in the ground water could be the culprit.

As a part of the investigation, you have been asked to perform two studies: a qualitative inquiry with the local people and a quantitative study to assess the association between levels of chemical in the water and presence of CKD.

State and briefly describe the following.

- 4.1. the objectives, study design and steps in performing the qualitative inquiry with the local people. (25 marks)
- 4.2. The objectives, study design and steps in performing the quantitative study to assess the association between arsenic exposure in drinking water and CKD in the area. (25 marks)
5. The Government of Sri Lanka is contemplating the expansion of paying ward facilities in government hospitals for income generation.

As a director of a tertiary care hospital, discuss the feasibility of expanding the paying ward facilities in your hospital. (50 marks)