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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION – AUGUST 2014**

**Date :-** 5<sup>th</sup> August 2014

**Time :-** 1.00 p.m. – 4.00 p.m.

**SECTION A**

**PAPER I**

Answer **all five** questions.

Answer each question in a separate book.

1. Discuss the importance of maintaining correct “skill mix” to assure high quality of health care. (30 marks)
2. Discuss the statement “effective communication leads to positive outcomes”. (30 marks)
3.
  - 3.1. Describe the characteristics of transactional leadership and transformational leadership. (10 marks)
  - 3.2. Explain with suitable examples from health care settings how transformational leaders make effective changes in their organization. (20 marks)
4. Children of 3 years of age were weighed and the following weight were observed 13,14,14,15,16,16,16,17,17,18 and 20kg.  
Calculate the mean, median, mode and the standard deviation. (30 marks)
5.
  - 5.1. What do you understand by medical tourism? (05 marks)
  - 5.2. Discuss how medical tourism would contribute to the national economy. (15 marks)
  - 5.3. Identify the barriers for promoting medical tourism in Sri Lanka. (10 marks)

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**MSc (MEDICAL ADMINISTRATION) EXAMINATION – AUGUST 2014**

**Date :- 6<sup>th</sup> August 2014**

**Time :- 1.00 p.m. – 4.00 p.m.**

**SECTION B**

**PAPER I**

Answer **all five** questions.

Answer each question in a separate book.

1. You were appointed as the Medical Superintendent of a Base Hospital type A. This hospital is to be upgraded to a District General Hospital. The provincial health Ministry advises you to present a plan for upgrading this hospital to a District General Hospital.
  - 1.1. What are the areas you will consider in developing the plan? (20 marks)
  - 1.2. What factors will be considered in phasing out the plan? (10 marks)
  
2. 'Quality is meeting or exceeding customer expectations' and this was heard by a non-medical chief executive officer (CEO) of a private hospital during a seminar on 'Quality is a new competitive weapon in managing healthcare Organizations'.

CEO is having an issue in justifying this statement. If you are the Director/Medical Services who is responsible for quality improvement, explain how you would justify the above statement. (30 marks)

Contd.../2-

3. Assume that you are the medical superintendent of a District General Hospital and you have encountered several problems in relation to management of outsourced services. It is decided to categorize issues in order to find out solutions to improve the situation.
  - 3.1. List the approved outsourced services applicable to a district general hospital. (05 marks)
  - 3.2. Select one (01) such contracted out service and describe advantages and disadvantages of the process. (10 marks)
  - 3.3. Discuss the possible issues or problems you may encounter and steps you would take to overcome these issues and problems. (15 marks)
  
4. You have observed an increased number of Dengue patients admitted to your hospital during last two weeks. As the medical superintendent of a Base Hospital
  - 4.1. How would you ensure laboratory facilities for full blood count is available for all suspected cases for Dengue? (10 marks)
  - 4.2. What is your responsibility in the management of patients? (10 marks)
  - 4.3. What is your role in prevention of Dengue in the community?(10 marks)
  
5. Ministry of Health has made a policy decision to establish Hospital Development and Planning Units at District General Hospitals.
  - 5.1. List the functions that should be assigned to such a unit. (05 marks)
  - 5.2. What should be the organizational structure of this unit? Outline the structure. (05 marks)
  - 5.3. Describe the framework and internationally accepted indicators you would provide this unit as guidance to assess hospital performance. (20 marks)

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**MSc (MEDICAL ADMINISTRATION) EXAMINATION – AUGUST 2014**

Date :- 6<sup>th</sup> August 2014

Time :- 9.30 a.m. – 11.30 a.m.

**SECTION A**

**PAPER II**

Answer **all** questions.

Answer each question in a separate book.

1.
  - 1.1. Give an example for an ill defined problem. (05 marks)
  - 1.2. What is the decision making process in the above situation? (05 marks)
2. Explain briefly the following terms in relation to procurement of medical equipment
  - 2.1. Bid Bond
  - 2.2. Performance Bond
3. Write short notes on –
  - 3.1. community mobilization (05 marks)
  - 3.2. inter-sectoral action for health (05 marks)
4. Write short notes on types of bias (10 marks)
5.
  - 5.1. Define public relations. (03 marks)
  - 5.2. Short note on importance of public relation in a health setting. (07 marks)
6. Distinguish between internal validity and external validity in relation to health system research. (10 marks)

Contd..../2-

7. Write short notes on following methods of health financing giving 02 marks each.
- 7.1. Capitation
  - 7.2. Fee for service
- 8.
- 8.1. What is meant by responsiveness in health care? (03 marks)
  - 8.2. Describe five (05) elements of responsiveness (07 marks)
9. Write short notes on e-IMMR (10 marks)
10. Write short note on normal distribution curve. (10 marks)
11. Outline the steps in outbreak investigation. (10 marks)
12. Write short notes on
- 12.1. SWOT analysis (05 marks)
  - 12.2. PEST analysis (05 marks)
13. Write short note on demographic transition. (10 marks)
14. Write short notes on
- 14.1. social determinants of health (05 marks)
  - 14.2. health policy and system research (05 marks)
15. Write short notes on
- 15.1. induction training (05 marks)
  - 15.2. on the job training (05 marks)

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**MSc (MEDICAL ADMINISTRATION) EXAMINATION – AUGUST 2014**

**Date :- 7<sup>th</sup> August 2014**

**Time :-9.30 a.m. – 11.30 a.m.**

**SECTION B**

**PAPER II**

Answer **all** questions.

Answer each question in a separate book.

1.
  - 1.1. What is an indicator ? (05 marks)
  - 1.2. Give two (02) examples each for process indicators and impact indicators. (05 marks)
2. Describe briefly how health outcomes can vary among social groups. Illustrate your answer with examples. (10 marks)
3.
  - 3.1. What is clinical audit? (03 marks)
  - 3.2. Briefly describe the clinical audit cycle (07 marks)
4. Outline the steps you will take as a regional director of health services to develop an in-service training programme for newly appointed medical officers for training in judicial work in your area. (10 marks)
5. Dog vaccination coverage for rabies in your RDHS areas is found to be 55%. How would you strengthen dog vaccination programme to improve coverage? (10 marks)

Contd..../2-

6. Write briefly as a regional director of health services, measures you would take to prevent chronic kidney diseases (CKD) in an identified MOH area. (10 marks)
7. Assume you are the medical superintendent of a base hospital and you wish to improve the performance of the laboratory in your hospital. You have newly purchased a five part haematological analyzer.
- 7.1. What major areas would you consider in relation to management of this equipment? (05 marks)
- 7.2. What measures would you take for cost effectiveness of this equipment? (05 marks)
8. Assume you are the medical superintendent and you have received a new batch of intern medical officers. You wish to improve the quality of documentation of the bed head tickets.
- 8.1. Outline the major areas you are going to address in this regard. (05 marks)
- 8.2. Outline the importance of improving quality of documentation. (05 marks)
9. Describe briefly the epidemiological indices you would use to assess the problem of diabetes mellitus in a district. (10 marks)
10. You are the medical superintendent of a recently upgraded District General Hospital. Describe briefly the steps you would take to make this hospital into a health promoting institution. (10 marks)

Contd.../3-

- 11.
- 11.1. As a administrator what are the key determinants you identify in non-communicable diseases. (05 marks)
- 11.2. How would you involve the inter-sectoral partners in the control of non-communicable diseases? (05 marks)
12. What steps would you take as a port health officer to ensure prevention of introduction of *ebola virus* to Sri Lanka. (10 marks)
13. You are a director of teaching hospital and your consultants complain about non availability of drugs most of the time. In addition they complain that allocation for the local purchase of drugs is not enough.  
List out the steps would you undertake to manage this situation. (10 marks)
14. You are a director of a teaching hospital, you have encountered conflicts between two categories of staff which is affecting the patient care services in the hospital. Briefly describe how you would resolve this conflict. (10 marks)
15. Absenteeism among minor employees in your teaching hospital is currently more than 40%. What steps would you take to overcome this problem? (10 marks)