

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**

**AUGUST 1998**

"  
Date: 24<sup>th</sup> August, 1998

Time: 2.00 p.m.- 5.00 p.m.

**SECTION A**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1. What important criteria should Medical Administrators use in evaluating the efficiency and effectiveness of their nonprogrammed decisions? (30 marks)
  
2. What is the relationship between organizational conflict and management of change in a health institute ? (30 marks)
  
3.
  - 3.1 Describe the main parameters that should be considered in “ situation analysis” for the purpose of preparing a five year plan for developing health service in a district. (20 marks)
  
  - 3.2 List five important indicators relevant tp the above mentioned situation analysis. (10 marks)
  
4.
  - 4.1 What are the four basic methods of estimating Human Resources for Health (HRH) required for a country. (10 marks)
  
  - 4.2 Which method do you like to apply for estimating HRH required for a district ? Outline the different steps of the method. (20 marks)

\*\*\*\*

5.
  - 5.1 What do you understand by epidemiology ? (10 marks)
  - 5.2 Describe the principles and its use. (10: marks)
  - 5.3 Illustrate briefly the application of principles of epidemiology in Management of hospital. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST 1998**

Date : 25<sup>th</sup> August, 1998

Time : 9.00 a.m. – 11.00 a.m.

**SECTION A**

**PAPER 11**

**Answer all fifteen questions.**  
**Answer each question in a Separate Book.**

1. What are the difference between need and demand for health care services. (10 marks)
2. What are the reasons underlying market failure for health care services. (10 marks)
3. Briefly explain the requirements for generation of supply induced demand. (10 marks)
4. What are the advantages of performance appraisal ? (10 marks)
5. What are the major differences between “ productivity “ and “ quality “ ? (10 marks)
6. What are the relationship between job description, job performance and job satisfaction. (10 marks)
7. Write a short note on “ Demographic Transition “ vis-à-vis “Epidemiological Transition “ . (10 marks)
8. What are the merits and demerits of “organizational chart” (10 marks)

9. Write short notes on
- a) Span of control (05 marks)
  - b) Situational leadership (05marks)
10. Write short notes on
- a) Communication barrier in hospitals (05 marks)
  - b) Collective bargaining (05 marks)
11. Write short notes on
- a) ABC analysis (05 marks)
  - b) Buffer stock (05 marks)
12. Outline the zoning concept of the operation theatre complex. (10 marks)
13. What is the “commodities management system” in relation to contraceptives in the National Family Planning Programme”. (10 marks)
14. Write short notes on
- a) Unmet needs in family planning (05 marks)
  - b) Reproductive Health Concept (05 marks)
15. What are the principles of counselling. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST 1998**

Date: 25<sup>th</sup> August, 1998

Time : 2.00 p.m. – 5.00 p.m.

**SECTION B**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Book.**

1. In s hospital/health programme, the most important is “ human resource “. What efforts would you make for optimum utilization of this important resource.  
(30 marks)

2. Government decision is to upgrade one hospital in a district to a General Hospital..

What should be the criteria in selecting the hospital to be upgraded as a General Hospital  
(15 marks)

What steps will you undertake in order to implement the above decision.  
(15 marks)

3. The Pharmaceutical Corporation mixes 2 brands of Vitamins: X. and Y. The brand Xcosts Rs.25 per packet and contains 2 units of nutrient element A, 2 units of element B, and 2 units of element C. The brand Y costs Rs.20 per packet and contains 1 unit of nutrient element A, 9 units of element B, and 3 units of element C.

Find the number of packet of each brand that should be mixed to produce mixture having a minimum cost per bag. The minimum requirement of nutrients A,B and Care 12 units, 36 units and 24 units respectively.  
(30 marks)

4. During the quarterly reviews the DDHS notes the low coverage of Rubella vaccination in her/his area.
- a) What are the possible reasons for low coverage ? (10 marks)
  - b) What steps should be taken to improve the coverage ? (10 marks)
  - c) What is the importance of the National Rubella Immunization programme. (10 marks)
5. "Hospitals today require lot of financial resources due to introduction of new technology and many of the hospitals are facing the financial constraints". What efferots you would like to make to optimise the utilization of financial resources in a Hospital. (30 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**SEPTEMBER 1999**

Date: 13<sup>th</sup> September, 1999

Time: 2.00 p.m. - 5.00 p.m.

**SECTION A**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1. Productivity of your hospital has been declining. You feel that it is essential to carry out statistical exercise to ascertain the causes. How would you undertake this task? Discuss. (30 marks)
  
2. "Effective Communication is an important function of any organization"
  - (a) Discuss this statement explaining the characteristic of an effective system of internal communication of your organization. (15 marks)
  - (b) Discuss any two methods of external communications mostly used by your organization. (15 marks)
  
3. Discuss how you will prepare a project proposal for developing Geriatric Health Services in a district. (30 marks)
  
4. What are the effects of demographic transition on the epidemiology of non communicable disease? (10 marks)

How are you going to use above information to plan health care service to the people as a health manager in charge of a district? (20 marks)
  
5.
  - 5.1 Discuss the need for staff development. (10 marks)
  - 5.2 Briefly describe the principles and methods of staff development (20 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**SEPTEMBER 1999**

Date : 14<sup>th</sup> September, 1999

Time:-9.00a.m.-11.00 a.m.

**SECTION A**

**PAPER II**

**Answer all questions**

**Answer each question in a Separate Book.**

1. Distinguish between authority, power, responsibility and accountability (10 marks)
2. What are the reasons for the always observable mismatch between demand for health care services and professionally determined need of health care services. (10 marks)
3. What is meant by
  - (i) Ordinance
  - (ii) Act
  - (iii) Regulationsgive two example each. (10 marks)
4. What factors affect people's motivation at work ? (10 marks)
5. What steps would you undertake to overcome resistance to change in an organization ? (10 marks)
6. How does the market for health care services differ from the market for an ordinary commodity ? (10 marks)



7. How important is the individual performance appraisal in achieving objectives of an organization ? (10 marks)
8. Write short notes on
- (a) Styles of supervision
  - (b) Span of control
- (10 marks)
9. Briefly explain the difference between technical efficiency and allocative efficiency with respect to the provision and financing of health care services. (10 marks)
10. List the steps in decision making process. (10 marks)
11. List the composition and functions of a drug review committee of a General Hospital. (10 marks)
12. Write short notes on :
- (a) Sensitivity
  - (b) Specificity
- (10 marks)
13. Write short notes on :
- (a) Case control study
  - (b) Cross-Sectional study
- (10 marks)
14. Write short notes on :
- (a) Economic order quantity (E.O.G.)
  - (b) Minimum stock
- (10 marks)
15. Distinguish between a preliminary investigation and a formal inquiry. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**SEPTEMBER 1999**

Date: 14<sup>th</sup> September, 1999

Time: 2.00 p.m.-5.00 p.m.

**SECTION B**

**PAPER I**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1. Discuss how you would set up an occupational health service in a DDHS area with a number of industries. (30 marks)
2. Does Sri Lanka need health sector reforms. (10 marks)  
  
Describe briefly the process of health policy formulation and implementation. (30 marks)
3. State three quantitative techniques. How do they assist in your management decision making? (30 marks)
4. As the head of a General Hospital you have noticed the money you spend on local purchase drugs to be very high.  
  
What action you would take in order to correct this situation ? (30-marks)
5. Most of the maternity units in smaller hospitals are under utilized at present.
  - (a) What are the possible reason for this under utilization ? (10 marks).
  - (b) Discuss how you would propose the improve the level of utilization of such units. (20 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**SEPTEMBER 1999**

Date: 15<sup>th</sup> September 1999

Time: 9.00 a.m-11.00 a.m.

**SECTION B**

**PAPER II**

**Answer all fifteen questions.**  
**Answer each part in a Separate Book.**

1. Write short notes on :
  - (i) Roll back malaria (05 marks)
  - (ii) Tobbacoo.free initiative (05 marks)
  
2. Write short notes on :
  - (i) International vaccination requirements for travellers (05 marks)
  - (ii) Pratique (05 marks)
  
3. List out the main challenges a medical administrator has to face today and tomorrow. (10 marks)
  
4. List the advantages and disadvantages of devolution of health care services. (10 marks)
  
5. List the problems you anticipate at the onset of the year 2000 due to Y2K problem as a hospital administrator. (10 marks)
  
6. What are the growing health needs adolescents ? (10 marks)

7. What are the components of the school health program ? (10 marks)
- 8.
- (a) List the types of clinical waste in a base hospital. (05 marks)
  - (b) What are the possible strategies for disposal of these waste ? (05 marks)
9. As a manager what steps will you take to eliminate human rabies from your province. (10 marks)
10. Policy decision has been taken to take over estate hospitals. What steps will you take to implement this? (10 marks)
11. What is the present infrastructure to ensuring safe and hygenic food to the public? (10 marks)
12. Write short notes on :
- (a) Post traumatic stress disorder. (05 marks)
  - (b) Cardio pulmonary resusitation (CPR) (05 marks)
13. Write short notes on :
- (a) Child abuse (05 marks)
  - (b) Alcoholism (05 marks)
14. Write short- notes on :
- (a) Health promoting hospitals (05 marks)
  - (b) Baby friendly hospitals (05 marks)
15. Write short notes on :
- (a) Indoor morbidity and mortality register (5 marks)
  - (b) Infant mortality rate. (05 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2000**

Date: 12<sup>th</sup> December 2000

Time: 2.00 p.m.- 5.00 p.m.

**SECTION A**

**PART I**

**Answer all five questions.**  
**Answer each question in a Separate Book.**

1. Discuss various conflicting situations that arise in an organization like a general hospital. (20 marks)  
  
What steps should a medical administrator take to resolve conflicts in a health care organization ? (10 marks)
2. What are the factors that need to be considered before successful delegation of authority to subordinates/departments for better functioning of an organization ? (30 marks)
3.
  - 3.1 What is meant by "participatory planning" ? (10 marks)
  - 3.2 Describe briefly with an example how you would use the "project design matrix (logical framework) in designing a health project. (20 marks)
4. Due to the large influx of refugees into your district, you have been requested to develop a plan to provide health care services for them. Outline how you will plan the health services for the refugees as a Deputy Provincial Director of Health Services. (30 marks)
5. It has been proposed to re-organize the existing MCH/FP information system to accommodate other reproductive health elements and to establish a Reproductive Health Management Information System (RH MIS) in Sri Lanka. Discuss critically the factors that you would take into consideration as a medical administrator in implementing the new RH MIS. (30 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2000**

Date: 13<sup>th</sup> December, 2000

Time: 9.00 a.m-11.00 a..m.

**SECTION A**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Book.**

1. What are the characteristics of a good medical administrator ? (10 marks)
2. Define supervision. (02 marks)  
List qualities of a good supervisor. (08 marks)
3. Explain the problems encountered in appraising performance (10 marks)
4. Define health policy (02 marks)  
List the key features of the strategies for implementation recommended by the Presidential Task Force (1997). (08 marks)
5. Write short notes on:
  - (a) Sampling methods in research. (05 marks)
  - (b) Data collection methods. in research. (05 marks)
6. Write short notes on:
  - (a) Need for continuing education for health workers. (05 marks)
  - (b) Methods of continuing education. (05 marks)

7. What are the characteristics of research objectives ? (05 marks)  
Why should objectives be developed for a research study ? (05 marks)
8. List the types of information typically found in a job description. (10 marks)
9. Distinguish between:
- (a) Efficiency and effectiveness. (05 marks)
  - (b) Programme and a project. (05 marks)
10. Distinguish between:
- (a) Objectives and targets. (05 marks)
  - (b) Monitoring and evaluation. (05 marks)
11. What steps would you take to improve patient satisfaction of a large Hospital ? (10 marks)
12. List ten laws of Sri Lanka which have a bearing on the health of the population. (10 marks)
13. What do you mean by unit cost ? Give examples. (10 marks)
14. List the essential features of an economic evaluation with examples. (10 marks)
15. List the specific features in the market for health care services ? Give examples. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2000**

Date: 13<sup>th</sup> December, 2000

Time: 2.00 p.m. - 5.00 p.m.

**SECTION B**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1. Overcrowding is often discussed as a problem of public hospitals.
  - a) What are the main causes of this problem ? (10 marks)
  - b) What are your short term and long term solutions for overcoming this problem ? (20 marks)
  
2. The Epidemiological Unit informs you of an impending outbreak of dengue haemorrhagic fever in your area.  
As Deputy provincial Director of Health Services, what short term and long term measures would you take for prevention and control of the disease. (30 marks)
  
3. You are the Director of a Board managed hospital. The hospital is in a severe financial crisis. Describe the efficiency saving measures that you would take to overcome this situation. (30 marks)
  
4. You are the Deputy Provincial Director of Health Services in a district. It has been brought to your notice that there has been an increase in the rate of induced abortions in the district over the last one year.
  - a) Discuss the possible reasons for this increase in the rate of abortions in your district. (15 marks)
  - b) What measures would you take to prevent this problem ? (15 marks)
  
5. List the important stages in hospital clinical waste management with a brief description of each stage. (30 marks)



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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2000**

Date : 14<sup>th</sup> December, 2000

Time: 9.00 a.m. - 11.00 a.m.

**SECTION B**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Book.**

1. You are involved in planning, a new hospital with 1000 beds.  
What is the approximate requirement of the following to this hospital ?
  - a) Total water requirement per day. (2.5 marks)
  - b) Daily capacity required for swege disposal (2.5 marks)
  - c) Daily capacity required for garbage disposal (2.5 marks)
  - d) Requirement of electricity supply per day (2.5 marks)
  
2. Outline how you would set up a productivity and quality improvement programme in your organization ? (10 marks)
  
3. A shift system of duty for medical officers has been introduced in some district hospitals to ensure quality medical care.  
  
What steps will you take as a Provincial Director to ensure the effectiveness of the shift system. (10 marks)
  
4. Compare and contrast CT scan and MRI scan. (10 marks)
  
5. What are the advantages of computerization of organization activities ? (10 marks)

6. Compare and contrast angioplasty with coronary artery by pass surgery. (10 marks)
7. Write short notes on :
- i) BCG Immunization (05 marks)
  - ii) Perinatal conference in a base hospital (05 marks)
8. Write short notes on :
- i) Need to strengthen services for permanent methods of Family Planning in a district hospital. (05 marks)
  - ii) Three delay model in maternal deaths. (05 marks)
9. Distinguish between :
- i) Bed occupancy and bed turnover (05 marks)
  - ii) Vision and mission of an organization. (05 marks)
10. Write short notes on :
- i) Food Authority under the Food Act. (05 marks)
  - ji) Authorised Officers under the Food Act. (05 marks)
11. Distinguish between 'needs' and 'demand' for health care services.
12. What are the characteristics of an effective communicator ?{ (10 marks)
13. Discuss briefly the major problems related to Human Resource Management in the state health sector in Sri Lanka. (10 marks)
- 14.
- i) What are the types of training ? (02 marks)
  - ii) List the steps in the preparation of a training programme (08 marks)
- 15.
- i) What is disease surveillance ? (02 marks)
  - ii) What are the major sources of data relevant to disease surveillance ? (08 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST, 2002**

Date : 5<sup>th</sup> August 2002

Time : 1.30 p.m.-4.30 p.m.

**SECTION A**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Book.**

1. Explain the important aspects of public financial management that you would take into consideration before commencing your duties as a Provincial Director of health Services. (30 marks)
  
2.
  - 2.1. What is performance improvement planning ? (05 marks)
  - 2.2. Why is it carried out ? (05 marks)
  - 2.3. Giving relevant examples, describe the relationship between its different components. (20 marks)
  
3.
  - 3.1. What do you understand by the systems approach in management ? (10 marks)
  - 3.2. Describe the process using an example from the health sector. (20 marks)
  
4.
  - 4.1. Indicate the key steps in the decision making process. (15 marks)
  - 4.2. Explain the constraints encountered by a medical administrator in Decision making. (15 marks)
  
5.
  - 5.1. What do you understand by *supervision* ? (10 marks)
  - 5.2. Discuss how supervision helps a Medical Administrator of a Teaching Hospital to ensure efficient management of his hospital (20 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST, 2002**

Date : 6<sup>th</sup> August, 2002

Time :- 9.30 a.m.. -11.30 a.m.

**SECTION A**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Book.**

1. List the reasons underlying *market failure* for health care services. (10 marks)
  
2. Define the terms *want*, *need* and *demand* for health care services.  
Give examples. (10 marks)
  
3. Write short notes on :
  - (a) Burden of Disease (05 marks)
  - (b) DALY (05 marks)
  
4. Write short notes on .
  - (a) Epidemiological transition (05 marks)
  - (b) Demographic transition (05 marks)
  
5. What are the main principles of delegation of authority ? (10 marks)
  
6. What is the relationship between *altitude* and *behaviour* ? (10 marks)
  
7. Write short notes on :
  - (a) Fee for service. (05 marks)
  - (b) Capitation. (05 marks)

-

8. Write short notes on :
- (a) Policy formulation. (05 marks)
  - (b) Evaluation of health programmes (05 marks)
9. Distinguish between *discipline* and *motivation*. (10 marks)
10. Distinguish between *devolution* and *decentralization*. (10 marks)
11. What is the Chi-Squared test ?  
What are the pre-requisites to apply the Chi-squared test ? (10 marks)
12. What is an indicator ? (03 marks)
- List the indicators you would use to assess the impact of the Dengue Control Programme in the country. (07 marks)
13. Write short notes on:
- (a) Triage (05 marks)
  - (b) Cardio-pulmonary resuscitation. (05 marks)
14. Write short notes on :
- (a) Assessment of health system performance. (05 marks)
  - (b) Continuing medical education. (05 marks)
15. List four types of control needed in public sector organization. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST, 2002**

Date : 6<sup>th</sup> August 2002

Time :- 1.30 p.m. – 4.30 p.m.

**SECTION B**

**PAPER I**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1.
  - 1.1 Define the term health sector reform ? (05 marks)
  - 1.2 Discuss the need for health sector reforms in Sri Lanka (25 marks)
  
2.
  - 2.1. Present the matrix of public-private mix. (10 marks)
  - 2.2. In the Sri Lankan context, how does this operate ? Give examples for each public private combination. (20 marks)
  
3. "Strong collaboration between ministries of education and health is very important to strengthen school health activities"  
  
As a Deputy Provincial Director of Health Services how will you establish such collaboration and strengthen school health activities in your district. (30 marks)
  
4. With the cessation of the armed conflict. and the resettlement process being started, it is necessary to put in place a comprehensive health care service in a war torn district.
  - 4.1. List the major health problems you will anticipate in such a situation. (10 marks)
  - 4.2. How will you plan for a comprehensive health care service in such a district ? (20 marks)

5.

5. I. What are the consequences of overcrowding in government hospitals ?  
(10 marks)

5.2. What are your suggestions to overcome the problem in relation to  
- inpatient care  
- out patient care  
(20 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**AUGUST, 2002**

Date : 7<sup>th</sup> August, 2002

Time :- 9.30 a.m.-11.30 a.m.

**SECTION B**

**PAPER II**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1. Write short notes on :
  - (a) Institutional maternal death investigation. (05 marks)
  - (b) Baby Friendly Hospital Initiative. (05 marks)
2. What are the characteristics of an objective ? (10 marks)
3. List the criteria you would adopt for priority setting in evaluating research proposals (10 marks)
4. List the common data collection techniques in local rapid assessment. (10 marks)
5. Write short notes on :
  - (a) Technology assessment. (05 marks)
  - (b) Drug Review Committee. (10 marks)
6. What do you understand by the term *total quality management* in laboratory practice. (10 marks)
7. Write short notes on .
  - (a) Sentinel Surveillance. (05 marks)
  - (b) Active case detection. (05 marks)



8. Write short notes on :
- (a) "5S" concept. (05 marks)
  - (b) KAIZEN approaches. (05 marks)
9. Distinguish between *data* and *information*. (05 marks)  
List the components of a hospital information system. (05 marks)
10. List the steps in converting national health policy into a plan of action. (10 marks)
11. Write short notes on :
- (a) Child Health Development Record. (05 marks)
  - (b) Temporary methods of family planning. (05 marks)
12. List the stages of an effective communication process. (10 marks)
13. What are the objectives of the Food Control Services. (10 marks)
14. List the difficulties of productivity measurement. (10 marks)
15. Write short notes on:
- (a) Disposal of hazardous waste. (05 marks)
  - (b) Rating of food control establishments. (05 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2003**

Date: 2<sup>nd</sup> December, 2003

Time: 1.30 p.m. - 4.30 p.m.

**SECTION A**

**PAPER 1**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1.
  - a) Discuss the importance of productivity and quality of Health Care Services. (10 marks)
  - b) What are the main dimensions of service quality ? (05 marks)
  - c) What are the barriers to productivity and quality improvement in health care services ? How to overcome them ? (15 marks)
  
2.
  - a) What is conflict ? (05 marks)
  - b) What are the disadvantages and advantages of organizational conflict ? (10 marks)
  - c) What are your suggestions and techniques to manage and resolve conflict in health sector organizations ? (15 marks)
  
3.
  - a) Are unethical decisions more a function of the individual decision maker or the decision maker's work environment? Explain. (10 marks)
  - b) Explain how a Medical Administrator of a Teaching Hospital makes programmed decisions and non-programmed decisions to solve organizational problems. (20 marks)

4. The following table summarizes some background characteristics of a group of pregnant women who took part in a study.

**Background characteristics of study participants.**

1 Variable	Mean (SD)	3 Median(Inter Quartile range)
Age (in years)	28.3 (5.7)	28 (24 - 32)
Parity	2.3 (1.1)	2 (1-3)
Monthly income (in Rupees)	11 800 (8000)	10000 (6 000 - 15 000)

- a) Explain the underlined terms. (12 marks)
- b) When submitting this data for publication we could use summary figures in either column 2 or 3. For each of the three variables given, which figures would you use? Give reasons for your selection. (18 marks)
- 5.
- a) What do you mean by user fees for health care services ? (05 marks)
- b) What are the advantages of user fees ? (05 marks)
- c) What are the disadvantages of user fees. (05 marks)
- d) How do you assess the appropriateness of introducing a user fee system to the health sector in Sri Lanka ? (15 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2003**

Date: 3<sup>rd</sup> December, 2003

Time: 9.30 a.m.. - 11.30 a.m.

**SECTION A**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Answer Book.**

1. List the effects of demographic transition and epidemiological transition on health budget of Sri Lanka. (10 marks)
  
2. In respect of a 1000 bedded hospital indicate
  - i. in litres the average daily requirement of water. (03 marks)
  - ii. in litres the sewage produced per day. (03 marks)
  - iii. in kilograms the amount of garbage produced per day. (04 marks)
  
- 3
  - a) Distinguish between analytical thinking and creative thinking. (05 marks)
  - b) List the benefits of positive attitudes for individual and organization (05 marks)
  
4.
  - a) What is chain of command ? (05 marks)
  - b) What is unity of command ? (05 marks)
  
- 5 Distinguish between job description and job specification ? (10 marks)
  
- 6
  - a) List the constraints to effective supervision ? (05 marks)
  - b) Explain supervisory tools and techniques. (05 marks)

7. What are the main methods and techniques of coordination ? (10 marks)
8. Distinguish between efficacy and effectiveness. (10 marks)
9. List out four forms of public-private mix in the health sector. (10 marks)
10. How do you link externalities with market failure in the health sector ? (10 marks)
11. Briefly explain what is organizational culture. (10 marks)
12. Outline the organization of the health administrative structure at line ministry level in the health sector. (10 marks)
13. Under the Food Act.
  - a) Who are the Food Authorities. (05 marks)
  - b) List the authorized officers (05 marks)
14.
  - a) List the types of clinical waste in a peripheral unit. (05 marks)
  - b) List the possible strategies to manage it. (05 marks)
15. What do the following stand for.
  - a) DOTS
  - b) AIDS
  - c) SARS
  - d) SWOT (10 marks)

~

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2003**

Date: 3<sup>rd</sup> December, 2003

Time: 1.30 p.m.. - 4.30 p.m.

**SECTION B**

**PAPER I**

**Answer all five questions.**

**Answer each question in a Separate Answer Book.**

1.
  - a) What do you mean by essential clinical package ? (15 marks)
  - b) How is this concept applicable to Sri Lanka ? (15 marks)
  
2.
  - a) "Capacity building is a critical issue in implementing health sector reforms." Do you agree with this statement ?  
Give reasons. (15 marks)
  - b) What are the key capacity constraints faced by the Sri Lankan health sector in its reforming attempts? (15 marks)
  
3. It has been brought to the notice of the Deputy Provincial Director of Health Services that less than 20% of the Public Health Midwives have been supervised in 4 MOH areas over the past 6 months.
  - a) What are the possible reasons for this situation. (15 marks)
  - b) Discuss the steps that should be taken by the D/PDHS of the district to improve supervision of field health staff in the 4 MOH areas. (15 marks)

- 4.
- a) "Resistance to change is an irrational response" Do you agree or disagree? Explain. (10 marks)
  - b) Suggest measures to overcome resistance to change in health care organizations. (20 marks)
5. As a Medical Superintendent of a hospital, you have decided to shift the existing maternity unit to a new site in the same premises. Describe the steps involved in the construction and opening of this unit. (30 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**DECEMBER, 2003**

Date: 4<sup>th</sup> December, 2003

Time: 9.30 a.m. - 11.30 a.m.

**SECTION B**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Answer Book.**

1.
  - a) What is public accountability ? (05 marks)
  - b) What actions are deemed necessary to improve public accountability in Sri Lanka ? (05 marks)
2. What steps would you take to improve the office management of a large Teaching Hospital ? (10 marks)
3. What are the main elements of a charge sheet ? (10 marks)
4. How do you distinguish between direct and indirect cost of illness ? Give examples. (10 marks)
5. Can unit cost always be treated as "the indicator" of efficiency ? Give examples. (10 marks)
6. What do you mean by community effectiveness ? Give examples. (10 marks)
7. Distinguish between replacement level fertility and zero population growth. (10 marks)
8. List the factors that have influenced the rise in contraceptive prevalence rate during the past three decades. (10 marks)



9. State briefly the role of a base hospital in supporting the school health programme. (10 marks)
10. List the 3 delays related to maternal deaths. (10 marks)
11. List the members of the Institutional maternal death investigation team. (10 marks)
12. Describe briefly how morbidity and mortality data are collected in Sri Lanka. (10 marks)
13.
  - a) What are the schedules under which drugs are classified in Sri Lanka. (05 marks)
  - b) Define each category (05 marks)
14. Give the present EPI schedule in Sri Lanka. (10 marks)
15. What is the difference between continuing professional development and revalidation. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**FEBRUARY, 2005**

Date :- 21<sup>st</sup> February, 2005

Time :- 1.30 p.m. - 4.30 p.m.

**SECTION A**

**PAPER I**

**Answer all five questions.**

**Answer each question in a Separate Book.**

1.
  - 1.1 Distinguish between the traditional approach for capacity Building and the modern approach. (10 marks)
  - 1.2 List out three capacity constraints faced by the state health sector in Sri Lanka. (10 marks)
  - 1.3 Select one of those constraints and explain with examples. (10 marks)
2.
  - 2.1 Describe the benefits of quality for the continued growth and success of a hospital. (10 marks)
  - 2.2 Why do some quality improvement efforts fail in public sector hospitals ? Give reasons. (10 marks)
  - 2.3 Explain the terms "quality control" and "quality assurance" With examples. (10 marks)
3. As a Provincial Director of Health Services you have been requested to write a project proposal to set up a Training Centre for the province. Outline the main elements you would include in the proposal. (30 marks)

4.
  - 4.1. Discuss the importance of establishing a drug monitoring system in the government health sector in Sri Lanka. (15 marks)
  - 4.2. Describe the features that you would like to have in a drug monitoring system in a tertiary care hospital. (15 marks)
  
5.
  - 5.1. Explain what human resource management is and how it relates to the management process. (15 marks)
  - 5.2. Illustrate the human resource management responsibilities of a hospital medical administrator. (15 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**FEBRUARY, 2005**

Date : 22<sup>nd</sup> February, 2005

Time :- 9.30 a.m. - 11.30 a.m.

**SECTION A**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Book.**

1. Distinguish between devolution and delegation in the context of decentralization. (10 marks)
2. What are the steps in the rational decision making process ? (10 marks)
3. Briefly explain the steps involved in step down approach for costing. (10 marks)
4. "Ineffective communication is the fault of the sender" Do you agree ? Give reasons. (10 marks)
5. Write short notes on :
  - 5.1. Human Development Index. (05 marks)
  - 5.2. Millennium Development Goals (05 marks)
6.
  - 6.1. List three (3) most important health implications of the demographic transition. (05 marks)
  - 6.2. Write notes on uses of the life table. (05 marks)
7. What is power in leadership? How do you get it ? (10 marks)

8.
  - 8.1. What is "t - test" ? (03 marks)
  - 8.2. When do you apply "t-test " ? (05 marks)
  - 8.3. What are the prerequisites for applying "t-test" ? (02 marks)
  
9. What are probability sampling methods ? (06 marks)  
 Explain how would you select clusters in the cluster sampling method ? (04 marks)
  
10. Write notes on :
  - 10.1. Project Design Matrix (Logical Framework). (05 marks)
  - 10.2. Nominal Group Technique. (05 marks)
  
11. "A DMO should be a manager rather than an administrator". Do you agree with this statement? Give reasons. (10 marks)
  
12.
  - 12.1. What is "internal control" ? (02 marks)
  - 12.2. What are the elements of an effective internal control system ? (04 marks)
  - 12.3. What are the factors that you have to consider in devising an effective and efficient internal control system ? (04 marks)
  
13. Write short notes on :
  - 13.1. Participatory planning process. (05 marks)
  - 13.2. Prioritization of problems. (05 marks)
  
14.
  - 14.1. Define the term "Information". (03 marks)
  - 14.2. What is the difference between "Data" and "Information" ? (02 marks)
  - 14.3. List the different types of information required by a medical manager. (05 marks)
  
15. What are the conditions under which supplier-induced demand could arise in the provision of health care services ? (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**FEBRUARY, 2005**

Date : 22<sup>nd</sup> February, 2005

Time :- 1.30 p.m. - 4.30 p.m.

**SECTION B**

**PAPER I**

**Answer all five questions.**

**Answer each question in a Separate Book.**

1. What are the arguments for and against providing incentives to the private health sector in Sri Lanka ? (30 marks)
2. If you were the Deputy Provincial Director of Health Services in a district on the Southern coast, discuss the steps you would have taken to manage the problems that would have arisen following the Tsunami of 26.12.2004 on an immediate short term, medium term and long term basis. (30 marks)
3.
  - 3.1.. What is public health surveillance ? (10 marks)
  - 3.2 Explain its usefulness in the management of health problems in a district. (20 marks)
4. Outline the steps you would recommend to strengthen intersectoral cooperation to improve the nutritional status of under five children in a district of Sri Lanka. (30 marks)
5.
  - 5.1. What do you mean by Individual Performance Appraisal ? (05 marks)
  - 5.2. Discuss how you would implement a Performance Appraisal System in a hospital in view of improving productivity. (25 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**FEBRUARY, 2005**

Date : 24<sup>th</sup> February, 2005

Time:- 9.30 a.m. - 11.30 a.m.

**SECTION B**

**PAPER II**

**Answer all questions.**

**Answer each question in a Separate Book.**

1. Five Medical Officers of Health in a district have reported that they are unable to conduct MCH field clinics due to lack of transport. As the Deputy Provincial Director of Health Services in the district list the steps you would take to address this problem. (10 marks)
2. What is epidemiology? List the functions of epidemiology. (10 marks)
3. What is an "attack rate" ? How does it differ from "incidence rate" ? (10 marks)
4. As the Deputy Provincial Director of Health Services what steps would you take to provide MCH Services for a population of 100,000 living in temporary camps in your district following a natural disaster. (10 marks)
5. Write short notes on
  - 5.1. Difference between Food Authority and Authorized Officer under the Food Act. (05 marks)
  - 5.2. Difference between a pre-test and pilot study. (05 marks)
6. Briefly discuss the difference between preliminary and formal disciplinary inquiries. (10 marks)
7. Outline 5 important management problems related to improving quality of family planning services in an MOH area. (10 marks)

8. Differentiate between “generic prescribing” and “generic substitution”  
(10 marks)
9. What is the Global Alliance for Vaccines and Immunization (GAVI) ?  
In what way has GAVI helped Sri Lanka. (10 marks)
10. Comment on the following-
  - 10.1 Capital expenditure and recurrent expenditure. (05 marks)
  - 10.2 Counter part funding for utilization of foreign funds. (05 marks)
11. List the five main functions of a Medical Officer of Health. (10 marks)
12. Distinguish between efficiency and effectiveness. (10 marks)
13. What are the essential features of an economic evaluation ? (10 marks)
14. List what you can do to improve your negotiating skills. (10 marks)
15. As the Director of a tertiary care hospital what main action would you take to reduce maternal deaths due to postpartum haemorrhage in your hospital. (10 marks)



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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**APRIL, 2007**

Date: 19<sup>th</sup> April 2007

Time: 1.30 p.m. - 4.30 p.m.

**SECTION A**

**PAPER I**

**Answer all five questions.**

**Answer each question in a separate book.**

1.
  - 1.1. What do you mean by health sector reforms ? (05 marks)
  - 1.2. What are the different types of health sector reforms ? (05 marks)
  - 1.3. "Any attempt to reform the system should go along with a process of capacity building". Do you agree/disagree with this statement ?  
Give reasons. (20 marks)
2.
  - 2.1. Discuss the importance of application of Productivity and Quality concepts and principles for the state health sector in Sri Lanka (10 marks)
  - 2.2. Explain briefly the benefits a hospital can achieve by implementing Total Quality Management (TQM). (05 marks)
  - 2.3. As the Director of a Teaching Hospital you have been asked to implement TQM for your institution. Outline the main steps that you would take to implement TQM. (15 marks)
3. You are appointed as a member of a Technical Evaluation Committee to evaluate some project proposals submitted to develop the health services in a province. Outline the factors you will take into consideration in evaluating the project proposals. (30 marks)

4. As a Deputy Provincial Director how would you make use of the Medical Officer/Maternal and Child Health (MCH) to monitor the MCH programme of the district ? (30 marks)
- 5.
- 5.1. "Ineffective human resource management (HRM) is one of the main problems in the state health sector of Sri Lanka."  
Do you agree/disagree with this statement? Give reasons. (10 marks)
- 5.2 Outline your recommendations to improve HRM in the state health sector. (10 marks)
- 5.3 List out the leading HRM practices which should be implemented in a tertiary care hospital. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**APRIL, 2007**

Date: 20<sup>th</sup> April, 2007

Time: 9.00 a.m. - 11.00 a.m.

**SECTION A**

**PAPER II**

**Answer all questions.**

**Answer each question in a separate book.**

1. What is meant by "quasi markets" in the health sector ?  
Give an example. (10 marks)
  
2.
  - 2.1 What is the difference between fixed cost and variable cost ? (05 marks)
  - 2.2 What is meant by semi-variable cost ? (05 marks)
  
3.
  - 3.1 Define the term "efficiency" in relation to health care services. (05 marks)
  - 3.2 Briefly explain the trade-off between efficiency and quality. (05 marks)
  
4. Distinguish between "output" and "impact" in the context of economic evaluation of health projects. (10 marks)
  
5. What are the disadvantages of a "user fee" system ? (10 marks)
  
6. What are the key factors that result in poor decision making ? (10 marks)

7. What is meant by
- 7.1 Delegation and co-ordination. . (05 marks)
  - 7.2 Authority and responsibility. (05 marks)
8. You are the Deputy Provincial Director of an area. Outline the steps that you would take to strengthen your supervisory skills. (10 marks)
- 9.
- 9.1 What are the consequences of poor public relations (PR) in a government hospital. ? (05 marks)
  - 9.2 Outline the strategies you would recommend to improve PR in a government Hospital. (05 marks)
10. List out the functions, roles and skills in general management.
11. List the different types of health plans based on
- a. Time frame (05 marks)
  - b. Level of planning (05 marks)
12. Outline the steps you will follow in planning a dengue control programme in the community. (10 marks)
13. Write short notes on :
- a. Fish-bone diagram (05 marks)
  - b. Nominal group technique (05 marks)
14. Distinguish between goals, objectives and targets giving two (2) examples for each of them. (10 marks)
15. What factors would you consider when carving out a new Medical Officer of Health area. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**APRIL, 2007**

Date: 20<sup>th</sup> April 2007

Time: 1.30 p.m. - 4.30 p.m.

**SECTION B**

**PAPER I**

**Answer all five questions.**

**Answer each question in a separate book.**

1. Non Communicate Diseases (NCDs) are a major public health problem in most countries.
  - 1.1 What are the factors responsible for this situation in Sri Lanka ?  
(05 marks)
  - 1.2 Is there a gender disparity in the morbidity and mortality rates of NCDs in this country ?  
(10 marks)
  - 1.3 What are the advantages of primary and secondary prevention strategies to address this problem ?  
(15 marks)
2. Over utilization of Secondary and Tertiary Care Institutions is an unresolved problem in this country. If you are a Provincial Director of Health Services, how will you resolve this issue in your Province ?  
(30 marks)
3. As the Director in charge of a Teaching Hospital you observe that a large number of women are admitted with injuries resulting from intimate partner violence. You decide to determine the risk factors for intimate partner violence. Describe giving reasons how you would set about planning a research project to achieve the above objective.  
(30 marks)
4. The National Policy is to ensure that the population in the Estate Sector should receive the same health care as the rest of the population. As the DPDHS of an area with 50% estate population, describe how you would plan and implement the above policy.  
(30 marks)
5. What is meant by "360 degree feedback"? How does it differ from traditional performance appraisal methods ?  
(30 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**APRIL, 2007**

Date: 23<sup>rd</sup> April 2007

Time: 9.00 a.m. - 11.00 a.m.

**SECTION B**

**PAPER II**

**Answer all questions.**

**Answer each question in a separate book.**

1.
  - 1.1 What do you mean by externalities ? (05 marks)
  - 1.2 What are the positive externalities involved in an immunization programme ? (05 marks)
2. How does the market for health care services differ from the market for an ordinary commodity ? Give examples. (10 marks)
3. A patient's relative has complained to you regarding a theft of the patient's money by a minor employee of your hospital. As the Director of the hospital outline the course of action you would take in this matter. (10 marks)
4. Explain the functions of effective communication within an organization. (10 marks)
5.
  - 5.1 What is understood by the term probability sampling ? (02 marks)
  - 5.2 You have decided to do a nutritional survey among grade five children in a given school with four parallel classes. You need a sample of 100 children. Describe the steps in carrying out simple random sampling to select the 100 children from among a total of 160. (08 marks)
6. You are the Medical Superintendent in charge of a Base Hospital. A patient with suspected Acute Flaccid Paralysis has been admitted to the hospital. Describe the notification procedure in this situation. (10 marks)

7.
  - 7.1 What is incidence ? (04 marks)
  - 7.2 What are the uses of incidence ? (06 marks)
8. What are the important contents of a "Personal File" ? (10 marks)
9. What are the important items of information that should be included in a death certificate ? (10 marks)
10. Describe the features of a proper "Advance Programme". (10 marks)
11.
  - 11.1 List the sources of maternal deaths statistics in Sri Lanka. (05 marks)
  - 11.2 Indicate the most reliable source with reasons. (05 marks)
12. Give the current National Expanded Programme on Immunization (EPI) schedule for Sri Lanka. (10 marks)
13. List four organizations under each of the following categories supporting health programmes in Sri Lanka.
  - 13.1 International non-governmental organizations (05 marks)
  - 13.2 Local non-governmental organizations (05 marks)
14. You are the Director of a Tertiary Care Institution. Describe the steps you would take to implement the "Baby friendly hospital" concept in your institution. (10 marks)
15. Differentiate between authorization, approval and certification in financial management. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**MARCH 2009**

Date :- 24<sup>th</sup> March 2009

Time : 1.00 p.m.- 4.00 p.m.

**SECTION A**  
**PAPER 1**

**Answer all five questions.**

**Answer each question in a separate book**

1.
  - 1.1. What are the new challenges faced by the government health sector in Sri Lanka during the recent past ? (10 marks)
  - 1.2. What are the economic implications of each of these challenges ? (20 marks)
2.
  - 2.1. Explain the dimensions of service quality in relation to Health Services. (10 marks)
  - 2.2. Why has quality improvement efforts failed in some government hospitals ? Give reasons. (10 marks)
  - 2.3. Suggest, measures to overcome above reasons given by you for quality failure. (10 marks)
3.
  - 3.1. Assume you have been appointed as a Regional Director of Health Services of a District. Explain the supervisory tools and techniques that you would use to strengthen your supervision of organizations under your purview. (15 marks)
  - 3.2. What steps will you take as a Regional Director of Health Services to improve the performance of these organizations ? (15 marks)
4. Discuss Avian Influenza pandemic preparedness programme in Sri Lanka. (30 marks)
5.
  - 5.1. As a Regional Director of Health Services you are responsible to develop the Annual Plan for your District. Outline how you would set about in developing the Annual Plan for the district.(15 marks)
  - 5.2. List the main components of your plan. (10 marks)
  - 5.3. Explain briefly how you would monitor the implementation of your plan. (05 marks)



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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**MARCH 2009**

Date :- 25<sup>th</sup> March 2009

Time : 9.30 a.m.- 11.30 a.m.

**SECTION A**  
**PAPER 1I**

**Answer all questions.**

**Answer each question in a separate book**

1.
  - 1.1. Is there any consumer sovereignty in the market for health care services ? Give reasons. (05 marks)
  - 1.2. What is meant by supplier-induced demand in the health care market ? (05 marks)
  
2. How do you distinguish between direct cost and indirect cost from the point of view of the receiver of health care services ? (10 marks)
  
3. What is the dominant factor in determining the demand for health care services ? Is it the doctor or the patient ? Give reasons. (10 marks)
  
4.
  - 4.1. What is meant by economic evaluation of health care services? (05 marks)
  - 4.2. List out different forms of economic evaluation of health care services. (05 marks)
  
5.
  - 5.1. What do you mean by "Office Management" ? (05 marks)
  - 5.2. Why do we need to consider the office as the heart of any organization" ? (05 marks)
  
6. What steps would you take to improve the human resource management of Teaching Hospitals ? (10 marks)
  
7. "Ineffective Communication is the fault of the sender", Do you agree/disagree with this statement ? Give reasons, (10 marks)
  
8. You are the Director of a teaching hospital. Discuss the steps that you would take to make your hospital customer friendly. (10 marks)

9. Write short notes on-
- 9.1. Problem analysis (05 marks)
  - 9.2. Objectively verifiable indicators (05 marks)
10. Distinguish between
- 10.1. "Vision" and "Mission" (05 marks)
  - 10.2. Goals and Objectives (05 marks)
11. Write short notes on-
- 11.1. Use of information technology in healthcare (05 marks)
  - 11.2. Indoor morbidity and mortality return (05 marks)
12. Write short notes on-
- 12.1. Social determinants of health (05 marks)
  - 12.2. Human Development Index (05 marks)
- 13.
- 13.1. What is relative risk ? (05 marks)
  - 13.2. How would you calculate relative risk ? (05 marks)
- 14.
- 14.1. What is incidence ? (05 marks)
  - 14.2. What is the difference between incidence & prevalence ? (05 marks)
15. You are the Medical Superintendent of a Tertiary Care Hospital in a Coastal area. Security forces inform you that 400 civilian casualties will be sent by sea to your hospital. List the steps that you would follow to manage these casualties. (10 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**MARCH 2009**

Date :- 24<sup>th</sup> March 2009

Time : 1.00 p.m.- 4.00 p.m.

**SECTION B**  
**PAPER 1**

**Answer all five questions.**

**Answer each question in a separate book.**

1.
  - 1.1 What is an emergency treatment unit (ETU) ? (10 marks)
  - 1.2 What are the items of equipment required for an ETU of a Base Hospital ? (10 marks)
  - 1.3 What are the human resource requirements for such a unit ? (10 marks)
2.
  - 2.1 What is meant by the term Intersectoral Action for Health (IAH) ? (05 marks)
  - 2.2 Outline the processes and mechanisms available at central level for Intersectoral Action for Health. (10 marks)
  - 2.3 Discuss the strengths and weaknesses of these processes and mechanisms at the central level. (15 marks)
3.
  - 3.1 Define "health care waste management." (10 marks)
  - 3.2 Briefly describe the methods available for disposal of health care waste in a District General Hospital. (20 marks)
4. As the Director of Teaching Hospital you have observed that there are some conflicts among different groups in the hospital. Describe giving examples how you would manage these conflicts. (30 marks)
5. You are the Regional Director of Health Services in a district close to Wannai area. The Ministry of Defense informs you that around 5000 internally displaced persons would arrive in your district within the course of 2-3 weeks and they are planning to accommodate these IDPs in a welfare camp. Describe the priority actions in order of importance that you would take to provide essential health services to these IDPs. (30 marks)

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

**MSc (MEDICAL ADMINISTRATION) EXAMINATION**  
**MARCH 2009**

Date :- 26<sup>th</sup> March 2009

Time : 9.00 a.m.- 11.00 a.m.

**SECTION B**  
**PAPER 1I**

**Answer all questions.**

**Answer each question in a separate book**

1. Discuss briefly what course of action you would take as a Medical Administrator in the following situation:  
The allocation for the payment of overtime in your hospital is not sufficient to pay the overtime claims of the doctors. (10 marks)
  
2. Discuss briefly what course of action you would take as a Provincial Director of Health Services in the following situation:  
You receive several complaints that many doctors in your province are not in their duty stations during working hours. (10 marks)
  
3. State the current classification of curative care institutions of this country. (10 marks)
  
4.
  - 4.1. What is meant by institutional mortality review ? (02 marks)
  - 4.2. State two specific reviews would you recommend for a tertiary care institution and the key staff members you would involve for each of these. (08 marks)
  
5. Outline the steps you will take as a Regional Director of Health Services to develop a training programme on health services management for the heads of institutions in your district. (10 marks)
  
6. Outline the factors you will take into consideration in designing a behaviour change communication programme to address non-communicable diseases in a urban setting. (10 marks)

7. What is the entitlement of maternity leave in respect of a live birth and a still birth ? (10 marks)
8. As a Medical Administrator what actions you would take to ensure safe immunization practices in a district ? (10 marks)
9. As the manager of a Tertiary Care Hospital why do you need information on unit cost of the services provided by you hospital ? (10 marks)
10. What are the new trends in demand for health care services in Sri Lanka ? (10 marks)
11. Several Medical Officers of Health in a district have reported that they are unable to conduct many field clinics effectively due to the negative attitudes of their staff. What steps will you take as the Regional Director of Health Services to overcome these issues. (10 marks)
12. You are the Director of a Teaching Hospital. List the best practices available in public financial management for effective utilization of public funds of your hospital. (10 marks)
13. Assume that you have received a complaint on misconduct of an employee of your hospital. List the main steps that you would take to conduct a preliminary investigation. (10 marks)
14. Write a short note on “DOTS strategy” in control of Tuberculosis. (10 marks)
15. Write a short note on integrated vector control of dengue fever. (10 marks)