

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

MSc. (MEDICAL ADMINISTRATION) – AUGUST 2021

Date : 04th August 2021

Time : 9.00 a.m. – 12.00 noon

SECTION A

Paper I

Answer **all five** questions.

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

1. Following stillbirth rates per 1000 total births were reported by 30 towns in 1977
27,28,40,32,30,36,25,29,30,29,26,30,20,35,32,36,37,29,29,42,32,
27,35,36,29,33,27,41,49,34.

1.1 Prepare a frequency table using class intervals such as 20-24,25-29,30-34.. etc. (10 marks)

1.2 Transform tabular presentation to graphic presentation. (10marks)

1.3 Do measurers of central tendency in tabulated data. (10 marks)

2. Taxation is a much talked about topic in Sri Lanka today. Describe the tax structure in Sri Lanka with reference direct and indirect taxes (30 marks)

3. 3.1 What do you understand by Job Description (05 marks)

3.2 Describe the steps in developing Job Description of a nursing sister Out Patient Department (OPD) in a hospital (25 marks)

4. 4.1 Define Human Resource Management(HRM) (05 marks)

4.2 List the components in HRM (10 marks)

4.3 Describe the importance of each component in relation to health management (15 marks)

Contd...../2

5.

5.1. Describe the advantages and disadvantages of online and postal questionnaire surveys. (10 marks)

5.2 Briefly explain the situations in which the following sampling techniques are useful in research.

5.2.1 Purposive sampling (05 marks)

5.2.2 Snow balling (05 marks)

5.3 What are the methods a researcher can use to increase the response rate in interviews? (10 marks)

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MSc. (MEDICAL ADMINISTRATION) – AUGUST 2021

Date : 04th August 2021

Time : 1.30 p.m. – 3.30 p.m.

SECTION A

Paper II

Answer **all fifteen (15)** questions.

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

1.
 - 1.1 What is Discipline in work place? (05 marks)
 - 1.2 List out misconducts in work place that are to be dealt with disciplinary procedure (05 marks)
2. Briefly describe the four styles in situational leadership? (10 marks)
3. Write short notes on the following
 - a. Quantitative data (05 marks)
 - b. Qualitative data (05 marks)
4. Write short notes on
 - a. Opportunity Cost (05 marks)
 - b. Supplier Induced Demand (05 marks)
5. Briefly describe characteristics of a good Mission statement (10 marks)
6. Briefly describe the types of Benchmarking (10 marks)

Contd.../2-

7. As Sri Lanka has eliminated malaria, it was noted that there is a tendency to use entomology teams for Dengue control work. What can be the consequence of this action? (10 marks)

8. As a Regional Director of Health Services (RDHS) of a district how you would plan for effective and efficient provision of regular NCD drugs to patients during Covid -19 Epidemic? (10 marks)

9. Define the terms “reliability” and “validity” (10 marks)

10. What steps would you take as an Air Port Health officer to prevent introduction of Covid -19 virus to Sri Lanka? (10 marks)

11. Write short notes on the following.
 - a. Authority (05 marks)
 - b. Responsibility (05 marks)

12. Write short notes on
 - a. Abraham Maslow’s hierarchy of needs theory (10 marks)

13. Write short notes on
 - a. SWOT analysis (05 marks)
 - b. TOWS matrix (05 marks)

14. Briefly explain the following in relation to medical supplies management.
 1. ABC analysis (05 marks)
 2. VEN analysis (05 marks)

15. Write short notes on Health promoting institutions (10 mark)

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MSc. (MEDICAL ADMINISTRATION) – AUGUST 2021

Date : 05th August 2021

Time : 9.00a.m. – 12.00 noon

SECTION B

Paper I

Answer **all five** questions.

Answer **each** question in a separate book

1. You are the Director of a District General Hospital and there is a marked increase of Covid 19 infection among nursing officers and health care assistants in the hospital.
 - 1.1 What steps would you take to identify causes for such an increase. (15marks)
 - 1.2 Outline your plan to mitigate such an increase among your hospital staff. (15 marks)

2. You have noticed that considerable number of medical equipment are not functional due to various reasons.
 - 1.1 What are the possible sources of downtime? (10 marks)
 - 1.2 If you are the newly appointed Director to this hospital discuss how you will address this situation. (20 marks)

3.
 - a) What do you understand by Swiss Cheese Model (10 marks)
 - b) Discuss the active failures and latent failures in hospital related adverse events occurring in a secondary care hospital (20 marks)

Contd.....2/-

- 4.
- 4.1 Health policies can be classified according to the level of the health system it applies.
- a) List the three levels of health policies giving examples. (05 marks)
- b) What are the determinants of a health policy? (05 marks)
- c) What are the goals of a health policy? (05marks)
- 4.2 Outline the steps to be followed in developing a policy. (15 marks)
5. A District General hospital laboratory is doing all the tests needed to be performed and it is fully equipped. You have observed a sudden increase of suspected dengue patients during the last two weeks and there is a delay in obtaining laboratory reports of these patients.
- 5.1 Discuss how you will ensure that laboratory reports are made available promptly to suspected dengue patients who are attending the OPD. (15marks)
- 5.2 Describe the actions you would take to face the problem of sudden increase of inward patients with Dengue? (10 marks)
- 5.3 List the measures you will take as a hospital administrator in prevention of transmission of Dengue within the hospital. (05 marks)

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Time : 1.30 p.m. – 3.30 p.m.

SECTION B

Paper II

Answer **all fifteen (15)** questions.

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

1. You are the Medical Superintendent of a Base Hospital and you have limited resources.
Briefly explain how you would encourage community participation to improve patient care services. (10 marks)
2. It was found that the performance of health care assistants is not up to the expectations. As a Medical Administrator, what steps you would take to improve their performance? (10 marks)
3. As a Regional Director of Health Services, you are going to carry out a supervision of your Regional Medical Supplies Division (RMSD). List out the key aspects you would look into in this supervisory visit. (10 marks)
4. It has been observed that there is an escalating cost of local purchasing drugs in your hospital. What measures would you take to minimize this situation? (10 marks)
5. You found that 30% of your patients coming to the OPD clinics are over 60 years of age (senior citizens). There were several complaints regarding delay in providing OPD care to these patients. What aspects would you consider in rectifying this situation? (10 marks)

Contd..../2

6. It was found that male participation at Healthy Lifestyle Clinics is low in your district. List out the possible causes and how you would address them. (10 marks)
7. Briefly describe the sources of conflict with suitable examples from a hospital set up. (10 marks)
8. As a newly appointed medical superintendent, you intend to improve the patient safety culture in your hospital.
Briefly discuss the elements to improve of patient safety culture (10 marks)
9. As a Regional Director of Health Services (RDHS) you have been requested to prepare a plan to improve the health services in a rural community in your district.
- a. Outline the five steps in planning you will follow to develop the plan. (05 marks)
- b. Briefly discuss the methods you will use to engage the stakeholders in developing the plan. (05 marks)
10. Describe the characteristics of Transactional Leadership and transformational leadership? (10 marks)
11. As Director of a teaching hospital, Briefly outline the actions you would take to reduce anti-microbial resistance (AMR) ? (10 marks)
12. As a Regional Director of Health Services (RDHS) you have been asked to provide necessary resources to manage COVID -19 patients in an intermediate care center in your locality.
Briefly outline main actions you would take in this scenario. (10 marks)

Contd..../3

13. What are the advantages and disadvantages of having a pool of *Saukya Karya Sahayaka (SKS)* as opposed to allocating them to Departments/Units in a hospital setting. (10 marks)
14. What is meant by PHEIC (Public Health Emergency of International Concern) according to IHR 2005 (International Health Regulation) (10 marks)
15. Your hospital needs to start Biochemistry testing in your laboratory from next year. Briefly describe the steps you are going to take when procuring a Biochemistry Analyzer? (10 marks)

