

POSTGRADUATE INSTITUTE OF MEDICINE
UNIVERSITY OF COLOMBO

POSTGRADUATE DIPLOMA IN HEALTH SECTOR DISASTER
MANAGEMENT EXAMINATION – FEBRUARY/MARCH 2019

Date:- 27th February 2019

Time:- 1.00 p.m. – 4.00 p.m.

STRUCTURED ESSAY QUESTION PAPER (SEQ)

Answer all five (05) questions.

Each question to be answered in a separate book.

1. It is the Asia Cup final 2019, 50 over cricket match played between Sri Lanka and India in the R. Premadasa Stadium, Kheththarama, Colombo, in front of nearly 50,000 spectators. A sudden loud explosion followed by fire in a section of the stadium triggered a panic response amongst the crowd, causing loud screaming and sudden attempts of mass exodus. (A large crowd evacuating via one/ few exits at once)
 - 1.1. List five (05) hazards that could occur in the above disaster situation. (10 marks)
 - 1.2. Describe the immediate course of action that should be taken by the Chief Security officer/ Administrative officer of the stadium on duty. (40marks)
 - 1.3. List five (05) organizations which can help in this situation. (10 marks)
 - 1.4. Expecting the number of injured in excess of 500, describe the steps of pre-hospital response you would execute as the medical officer in charge of the ambulance team on site. (40 marks)
2. Use of ionizing radiation in hospitals increases the risk of radiological disasters.
 - 2.1. List the three (03) main sources of radiation in hospitals. (15 marks)
 - 2.2. Describe the important considerations when conducting a risk assessment for a hospital. Consider that this hospital also has an oncology department with radiotherapy and chemotherapy facilities. (50 marks)
 - 2.3. Briefly describe the important components of a disaster preparedness and response plan for the hospital indicated in question 2.2. (35 marks)

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3. Following heavy rain, a sudden flood situation occurred at Kilinochchi and 20,000 people have been displaced and placed in five schools. As the medical officer in charge of disaster management of the district, you are requested to coordinate the health services for the displaced population.
 - 3.1. You are informed that there are 50 pregnant women among the displaced. Describe giving reasons five (05) activities of care you would provide for these pregnant women. (30 marks)
 - 3.2. Among displaced, there are 70 students who are waiting to sit for G.C.E. (O/L) examination in three weeks time. Discuss how you would address their psychosocial needs/ issues. (40 marks)
 - 3.3. Medical Officer of Health looking after the camp informs you that there is an outbreak of diarrhoea and hepatitis A. List the steps you would take to control the outbreak among the displaced. (30 marks)

4. Fires causing much destruction are being reported frequently from many parts of the country, especially from highly urbanized areas.
 - 4.1. List five (05) individuals or organizations responsible for the prevention of such fires. (10 marks)
 - 4.2. Describe the measures needed to be taken to prevent such fires. (40 marks)
 - 4.3. List five (05) individuals or organizations involved in minimising the effects of such fires. (10 marks)
 - 4.4. Describe the role played by individuals and organizations mentioned in 4.3 in minimising the effects of such fires. (40 marks)

5. Write short notes on the following.
 - 5.1. Sendai Framework for Disaster Risk Reduction. (25 marks)
 - 5.2. Therapeutic nutritional intervention. (25 marks)
 - 5.3. Physical rehabilitation of disaster victims. (25 marks)
 - 5.4. Role of the first responders in management of the dead in disasters. (25 marks)