



UNIVERSITY OF PERADENIYA

CENTRE FOR DISTANCE AND CONTINUING EDUCATION

Bachelor of Arts (External - New Syllabus) Examination: 200 Level

From February to April: 2020
(SUPE 208 Disaster Management)

Time: Three (03) Hours.
Answer four (04) questions only.

Marks will be deducted for illegible hand writing.
There are eight (08) questions in this question paper.

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- (1) a. What are the main categories of hazards? Give two examples for each category. (04 marks)
b. What is the difference between hazards and disaster? Explain with suitable examples. (08 marks)
c. What is the purpose of the Hyogo Framework of Action? (06 marks)
d. With suitable examples explain, how a cyclone (hazard) will become a disaster. (07 marks)
- (2) a. Draw the Disaster Management (DM) Cycle and name the main phases on it. Explain why emergency response is very important in the DM Cycle. (10 marks)
b. What are the institutions which are affiliated to the Disaster Management Center (DMC) in Sri Lanka? (05 marks)
c. Explain what are the main objectives of the Disaster Management Center in Sri Lanka. (10 marks)
- (3) a. Explain the main impacts of landslides in Sri Lanka. (08 marks)
b. Describe the main causes of floods in Sri Lanka. (07 marks)
c. "Seasonal and spatial variation of rainfall changes the flood prone areas in Sri Lanka". Explain this statement with suitable examples. (10 marks)
- (4) a. Describe how development plans should focus on the ongoing disasters in Sri Lanka. (10 marks)
b. If a large-scale landslide occurs in your village, how are you going to support for the vulnerable people during emergency response phase. (15 marks)
- (5) a. What are the main steps of risk assessment? (10 marks)
b. "Risk depends on hazards, vulnerability and exposure". Referring to the following figure 1, explain this statement applying to any disaster. (15 marks)

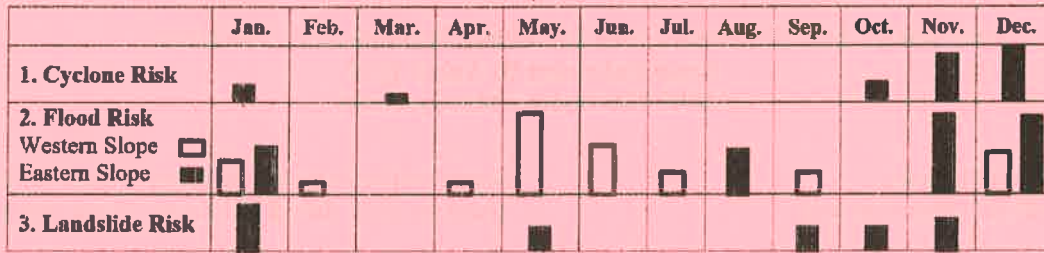
Figure 1: Risk depends on hazards, vulnerability and exposure



- (6) a. Following figure (2) shows the climate calendar of Sri Lanka. Monthly changes of risks are shown in the graph. Explain how those risk factors are interacting with each other.

Figure 2: Climate calendar of Sri Lanka

(15 marks)



- b. Explain with suitable examples, how early warning dissemination should reach to the Tsunami vulnerable communities in Sri Lanka. (10 marks)

- (7) a. What is the purpose of the Sendai Framework of Action? (06 marks)
 b. Define the Disaster Risk Reduction (DRR). (06 marks)
 c. Name three International Non-Governmental Organizations (INGOs) involved in disaster management. (03 marks)
 d. Explain why the public awareness programmes in disaster management are important for evacuation process. (10 marks)

- (8) Write detail essays on any two of the followings:
 a. Drought in Sri Lanka. (12.5 marks)
 b. Forest fires in Australia. (12.5 marks)
 c. Importance of Geographical Information System (GIS) and Remote System (RS) in disaster management. (12.5 marks)
 d. Impacts of storms and cyclones. (12.5 marks)
 e. Community Based Disaster Risk Management (CBDRM). (12.5 marks)