

University of Colombo
Faculty of Graduate Studies
Master of Regional Development and Planning 2019/2020
(Semester I)
MRDP 6104 – Natural Hazards and Disaster Management
Time: Two (02) Hours

Answer any FOUR (04) Questions

1. United Nation Centre for Regional Development defines the Regional Development as a Potential instrument for the integration and promotion of social and economic development efforts, which requires more effectively environmental and disaster management considerations in development programs. It can be seen that Sri Lanka is moving towards rural and sectoral development.

In this context, discuss the inter-relationship between the regional development and disaster management.

[25 Marks]

2. Economic Vulnerability is also define as the degree to which people, property, resources, systems, cultural, economic, environmental, and social activity are susceptible to harm, degradation, or destruction on being exposed to a hostile agent or factor. The Disaster Risk Reduction is aimed at preventing new and reducing existing disaster risk and managing residual risk, all of which contribute to strengthening resilience and therefore to the achievement of sustainable development.

Select one geographical area (district/divisional secretariat division, etc.) that exposed to natural disaster(s) and select a dominant economic sector in the area that you are familiar with, and proposed a risk mitigation plan by assessing the potential risk and vulnerabilities.

[25 Marks]

3. Age, gender and diversity determine the variations of needs, interest, behaviour, relationships and vulnerabilities, and those differences may be cause for, or drives of, disasters and resources for disaster mitigation. Addressing of diversified need of diversified people itself becomes a prerequisite of disaster planning.

Select known natural hazard occurred in recent period in known geographical area. Assuming that you are responsible for developing of risk reduction and disaster response plan for the selected disaster, explain what measures will be taken to ensure integration of age, gender and diversity aspects in disaster planning.

[25 Marks]

4. Write SHORT notes on FIVE of followings.
- A. Significance of disaster risk reduction in reaching sustainable goals.
 - B. Disaster Management Act in Sri Lanka
 - C. The Sendai Framework for Disaster Risk Reduction 2015 - 2030.
 - D. What is Risk Assessment?
 - E. Significance of community engagement in disaster management.
 - F. Social Injustice Theory in disaster management.
 - G. How Environmental Impact Assessment (EIA) is required for disaster mitigation.

[5 X 5 Marks]

5. Select one related policy in Sri Lanka or a regional development theory that you are familiar with and discuss it, and examine how disaster management concepts, theories and approaches are relevant.

[25 Marks]
