

Exam.	Regular		
	Level	BE	Full Marks
Programme	BCE	Pass Marks	32
Year / Part	IV / II	Time	3 hrs.

Subject: - Disaster Risk Management (Elective III) (CE78506)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.

1. a) How can Hazard become Disaster? "Disaster is increasing with the development". Are you agreeing? Justify. [8]
b) What do you mean by "Hazard", "Vulnerability" and "Risk"? Illustrate with examples. Write different types of Disasters that may occur in Nepal. [8]
2. Explain the paradigm shift (evolution) in disaster Risk Management? What is Nepal's rank globally in terms of climate change, earthquake and flood risk? [8]
3. a) What do you mean by Physical, Social and Economic factor (Dimensions) in disaster risk management? [8]
b) What is DRR? Write about Disaster Risk Management System in Nepal. [8]
4. a) What are the main elements of Disaster Risk Management cycle? Explain in details with examples of each? [10]
b) What do you mean by Cluster approaches in DRM? Write different types of clusters activated in Nepal. [6]
5. Explain Radius tools for Seismic Risk Assessment. What are the roles of the Local bodies during disaster? [8]
6. Write short notes on: (Any four) [4×4]
 - a) Resilience
 - b) Risk Reduction Approaches
 - c) Residual Risk
 - d) MIRA Tools of assessment
 - e) Recovery, reconstruction and Rehabilitation

Exam.	New Back (2066 & Later Batch)		
Level	BE	Full Marks	80
Programme	BCE	Pass Marks	32
Year / Part	IV / II	Time	3 hrs.

Subject: - Disaster Risk Management (*Elective III*) (CE78506)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt **All** questions.
- ✓ The figures in the margin indicate **Full Marks**.
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1. Differentiate between Hazard and disaster with some examples and write down the importance of disaster risk management in Nepal. [8]
2. What is risk? Explain the vulnerability by explaining its different dimensions with examples. [10]
3. Explain the disaster risk management cycle with neat diagram and describe the importance of pre-disaster management in the context of Nepal. [10]
4. Nepal has faced huge devastating earthquake last year. Different national and international media were reported that Nepal has done very good in rescue and recovery phase. How do you analyze the situation in this context? Explain with examples. [10]
5. Explain the importance of cluster approach by giving its definition and discuss it by mentioning inter-cluster coordination. [10]
6. Why disaster risk is necessary for the development projects? Explain the different component for the assessment before during and after the field work. [10]
7. Describe the different risk management plan and policy in Nepal. [5]
8. How do you analyze the risk in the field?. What are the input and output of the risk analysis? [7]
9. Write short notes on: (Any two) [2×5]
 - a) Sendai framework for disaster risk reduction
 - b) Residual Risk
 - c) Role of United Nations Office for the Coordination of Humanitarian affairs (UN-OCHA) and other agency

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Exam.	Regular		
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Programme	BCE	Pass Marks	32
Year / Part	IV / II	Time	3 hrs.

Subject: - Disaster Risk Management (Elective III) (CE78506)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
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1. Recently there was a big earthquake in Nepal. Many people are victimized / injured due to the earthquake and lots of properties were also damaged. The affected people needed medical help, emergency relief materials food, water etc. Nepal Army and Nepal Red Cross Society doing their best for rescue to the victims. Nepal government sought for International helps so UNOCHA, WHO, WFP etc. are sending relief material, medicines, food etc. Many foreign delegates including rescue and medical team also arriving very soon. If you are appointed as "Official in charge" to work at the catastrophic area:
 - a) What are the role of different agency in such disaster and explain how you will carry out rescue to the victim, medical care and emergency response to minimize the casualties? [8]
 - b) What is recovery and DRR? How to handle the situation for early recovery, risk reduction approach and Post disaster management? [8]
2. a) Explain types and level of impact in terms of Disaster and Emergency. Differentiate between Hazard and Disaster. [6]
 - b) Discuss the principle of Disaster. What's situation may arise to the most vulnerable groups and explain following (i) Women and Children (ii) Elder and Disable people (iii) Aid workers and foreign volunteer, in times of disasters? How do you make safety and care for them during disaster? [10]
3. a) What are the UN Clusters and Clusters in Nepal? Implementing Cluster Approach will be effective tool for better management during disaster, Justify. [6]
 - b) Explain clearly the "Disaster Management Cycle" in terms of Pre, During and Post disaster with suitable diagram. [10]
4. a) What is "Sphere Humanitarian Charter: Common Standard 2"? What are the minimum standard for relief operation to the victims as per Sphere Standard? [8]
 - b) Explain organization policies of disaster management in (i) Central Level (ii) Regional Level (iii) District and (iv) Local level relief committee in Nepal. [8]
5. Explain Risk Analysis Technique it's types and Risk Matrix approach. How to calculate the level of risk as per the Monte Carlo Method? [16]

OR

Write short notes on: (any two)

- a) RADIUS tools for Seismic Risk Assessment
- b) Disaster risk reduction action plan (flagship Program)
- c) Role of Red Cross Society and Local communities during disasters in Nepal

[2×8]