

Mid-West University
Examinations Management Office
Final Examinations -2081

Level: Bachelors/B.Sc. Environmental Science /Semester: II F.M: 60
Time: 3hrs. P.M: 30
Subject: Environmental Geology and geomorphology (ENV422)

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Answer ANY TEN Questions in Very short [10*2=20]

1. What is environmental geology?
2. Define geomorphology?
3. Define cleavage and fracture?
4. What is mineralogy?
5. How do plate tectonics influence the formation of volcanos?
6. What is stratification?
7. What are the three main types of stress that affect the rocks? Explain.
8. What are the geological features developed by river? Define.
9. What is magnitude and intensity of earthquake?
10. Define rock fall and debris flow.
11. How Tectonics Mountain are formed? Write in brief.
12. Describe how mining activities can affect water quality of the locality.

Answer ANY FOUR Questions in Brief [4*5=20]

1. Why environmental geology is important? Give relevant examples. [5]
2. What are the major components of earth? Describe the internal structure of earth. [1+4]

3. What is fault? Mention the major types of faults and their formation? [1+4]
4. Describe the lithological characters of Karnali Province? [5]
5. What is plate tectonics? Describe the various plate boundaries? [1+4]

Answer the Questions in Long. [2*10=20]

6. Define rock and rock cycle. How igneous rocks are formed? Also classify different types of igneous rock. Define different structures of igneous rock. [1+1+2+3+3]
7. Describe the major discontinuities system of the Nepal Himalaya and the major tectonics zones of Nepal Himalaya. [5+5]

OR

Discuss the various ways in which environmental geology addresses the challenges posed by human activities, such as urbanization, industrialization, and resource extraction, to the Earth's natural systems. How does environmental geology help in managing natural hazards, such as earthquakes, landslides, and flooding, in human-dominated environments? Provide examples to support your discussion. [10]

The End