

Mid-West University
Examinations Management Office

End Semester Examinations 2081

Bachelor level/ B.E. Hydropower/ 6th Semester

Time: 3 hours

Full Marks: 50

Pass Marks: 25

Subject: Environment and Pollution Management (HE469/HE331)

- *Attempt all the questions*
 - *Figures in the margin indicate full marks.*
 - *Assume suitable values, with a stipulation, if necessary.*
 - *Candidates are required to answer the questions in their own words as far as possible.*
1. What are the key industrial dust control methods, and how do different equipment types contribute to reducing particulate emissions? [5]
 2. Why ventilation is important? Give account on effect and management about traditional way of household smoke pollution to the residents. [5]
 3. In what ways does climate change impact vulnerable populations and ecosystems, and how can adaptive and mitigation strategies be effectively implemented? [5]
 4. What could be your role, as a hydropower engineer, in ensuring sustainable urban development with a focus on environmental management and resource optimization? [5]
 5. Discuss on “Be a part of the solution, not part of the pollution”. [5]
 6. Write short note on (*Any two*); [2.5x2=5]
 - a) Air quality standards of Nepal.
 - b) Clean Development Mechanism (CDM)
 - c) Carbon trading.
 7. What strategies can you, as an environmental engineer, implement to design an effective solid waste management system that minimizes environmental impact and promotes resource recovery and recycling? [5]
 8. Give the constructive suggestion for solid waste management of Birendranagar Municipality. [5]
 9. What do you mean by Hazardous wastes? Mention some Hazardous waste management techniques. [5]
 10. Initiated about various aspects of water pollution and water quality standards mentioned in different guidelines. [5]

The End