

Mid-West University  
**Examinations Management Office**

End Semester Examinations 2081

Bachelor level/ B.E. Civil/ 6<sup>th</sup> Semester

Time: 3 hours

**Subject: Environmental Impact Assessment (CE467CE490)**

Full Marks: 50

Pass Marks: 25

- 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. Explain the various stages involved in carrying out EIA for a new project with flow chart. [5]
  2. "EIA is a multidisciplinary subject." Explain. [5]
  3. Define screening. Describe the purpose of screening. [5]
  4. Compare between EIA and IEE in different aspects. [5]
  5. What do you understand ToR in EIA? Explain its objectives and main component. [5]
  6. List the content of public notice during scoping in EIA process. How do you involve the public during scoping exercise? [5]
  7. Discuss about the key environmental setting to be considered while collecting environmental baseline information. [5]
  8. What is surface water pollution? Describe the conceptual approach of predicting and assessing the impact on surface water environment. [5]
  9. An industry is going to be established in an urban area near to the river side. The river water and industrial effluent characteristics are shown below:

Parameter	Industrial effluent	River water
Flow ( $\frac{m^3}{sec}$ )	1.8	22
DO ( $\frac{mg}{l}$ )	0	8.7
BOD <sub>5</sub> , 20 <sup>0C</sup>	350	6

K= 0.25/day, R= 0.11/day, Saturation DO= 10.35 mg/l

At what location in the river critical DO deficit would occurs if the flow velocity in the river is 0.25m/sec. [5]

10. It is said that "The beauty of EIA is public participation." Explain the statement. [5]

**The End**