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**The Assam Royal Global University, Guwahati**

Royal School of Environmental and Earth Sciences

M.Sc. Environmental Science

3<sup>rd</sup> Semester End Examination, January 2023

Course Title : Environmental Impact Assessment and Legislation

Course Code : ENV164D302

Time: 3 Hours

Maximum Marks: 70

**Note: Attempt all questions as per instructions given.**

*The figures in the right-hand margin indicate marks.*

**Section – A**

1. Attempt **all** questions. (Maximum word limit 50) 2x 8
- What are the objectives of EIA?
  - What are the important components of EIA?
  - What do you mean by baseline data collection?
  - Define Leopold matrix?
  - What are ecologically sensitive areas?
  - What do you understand by conventions and protocols?
  - Under which act EIA was introduced in India?
  - What is Agenda 21?

**Section – B**

2. Attempt **any one** of the following: 6x 2
- Critically examine how EIA process is important for developing countries?
  - In which year the first EIA notification was introduced in India? How that notification helps in streamlining the developmental activities?
  - Prepare an outline of the EIA report on a sugar industry.
3. Attempt **any two** of the following: 7x 2
- Write a detailed account of the history and evolution of EIA practices?
  - Enumerate the various stages followed in the prior environmental clearance process for new projects?
  - What are the merits and demerits of the Checklist method?
4. Attempt **any two** of the following: 7x 2
- Discuss the importance of public participation in environmental decisions.
  - Discuss important physical and biological parameters under baseline data collection.
  - Prepare a flowchart showing the ISO 14000 series. What must an organization/community do to have an EMS that meets the ISO 14001 standard?
5. Attempt **any one** of the following 14x 1
- Discuss the conventions on Ozone depleting substances (ODS).
  - EIA in India is statutorily backed by which act? Enumerate the salient features of that act.