

Home Assignment
North Gauhati College
Semester: III (FYUGP)
Subject: VAC
Paper: Natural Resource Management and Sustainable Development
Paper Code: VAC0301402N

Prepare any one from the followings:

1. Choose any **one** natural resource (Water, Forest, Land, or Energy) in a specific local, regional, or community context and critically examine its current management practices. In your report:
 - a) Identify the major ecological and socio-economic threats facing the resource.
 - b) Analyze how its current management aligns or conflicts with relevant UN Sustainable Development Goals (SDGs) and the principle of equity.
 - c) Highlight a case study of successful community-led management/traditional knowledge, or identify key policy and institutional gaps.
 - d) Propose a set of actionable, community-centric recommendations for its long-term sustainable governance.
2. *Sustainable Development is not possible without equitable and science-backed Natural Resource Management.* Discuss this statement with reference to a specific natural resource sector (Water, Forest, Land, or Renewable Energy). Support your answer with real-world case studies, highlighting institutional challenges, SDG alignment, and the role of local community participation in resource conservation.
3. Select a local natural resource body or conservation initiative (e.g., a local lake, forest reserve, watershed management project, or solar microgrid). Evaluate its current status, map its contributions to specific Sustainable Development Goals (SDGs), and suggest four sustainable strategies to overcome its primary operational or environmental challenges.

Note:

1. Submit the assignment to the department of Chemistry (Dr. Sourav Kalita) or Department of Zoology (Ms. Juri Konwar) on or before 27th October, 2026.
2. Write your Name, G.U. Roll no and Paper name in Bold in the front page of your assignment.
3. Do not copy paste from others for writing the answers/report. If found to do so, marks will be deducted accordingly.