

ASSIGNMENT
(Tutor Marked Assignment)
Agriculture and Environment

Course Code: MED-007
Assignment Code: MED-007/TMA/2025
Maximum Marks: 100

- Note:** *
- * This assignment is based on the entire course.
 - * All questions are compulsory. Marks for the questions are shown within brackets on the right hand side.
 - * Please answer in your **own words**; do not copy from the course material.
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1. How loss of agro-biodiversity affects the nutrition of developing countries? (5+5)
Discuss the key principles to conserve and enhance agro-biodiversity.
2. Describe the approaches of sustainable agriculture. (10)
3. a) Describe the various ways in which off-farm inputs affect air quality. (5)
b) Give at least **three** reasons why deforestation is considered one of the important reasons for loss of global biodiversity? (5)
4. What is environmental stress? Describe **two** major environmental stresses in plants? (10)
5. Outline the measures the respective governments can take to accelerate the growth of agricultural sector in the South Asian countries. (10)
6. Explain the role of integrated farming system in sustaining overall agricultural production. (10)
7. What is organic farming? Describe its various steps. (10)
8. Discuss the various dimensions of technology transfer and the appropriate technologies for resource poor farmers. (10)
9. Describe any **five** components of alternative agriculture. (10)
10. Discuss the merits of post harvest technology and explain the measures required to use this technology for attaining better environmental quality and improved productivity. (10)