

# IAS Mains Agriculture 1997

## Paper-I

### Section A

1. Write short notes on any three of the following in about 200 words each:
  - a. Soil pollution
  - b. Retting injute
  - c. Sugarcane ratooning
  - d. Agroforestry
2. Give in tabular form the varieties, spacing and row proportion, fertilizer and irrigation schedules of
  - a. sugar + wheat
  - b. potato + mustard
  - c. cotton + green gram.
3. Define plant ecology. Discuss the role of autotoxiciry in crop production.
4. Differentiate fertilizer-use-efficiency and fertilizer-ulilization-efficiency, Discuss the important agrotechnique for increasing fertilrzer-use-efficiency in rice in sandy loam soil.

### Section B

5. Write short notes on any three of the following in about 200 words each:
  - a. Water logging
  - b. Watershed management
  - c. Soil moisture depletion approach
  - d. Training and visit system
6. Define dryland agriculture. Discuss the agro-techniques for stabilizing production under such condition.
7. Define maximum economical yield (MEY) Describe the important inputs and operations in wheat after toria.
8. Give a hit of non-monetary input Technology for small and marginal farmers in India . Discuss any four of them in detail.