

IAS Mains Agriculture 1991

Paper-I

Section A

1. Write short critical notes, in about 200 words each, on any three of the following:
 - a. Nitrogen fixing biological systems.
 - b. Alternate land use systems for rainfed land.
 - c. Herbicide residues
 - d. Bench terracing.
2. Fertilizer is an expensive input but is not efficiently used. Detail the strategy for optimal use of fertilizers for maximisation by small farmer.
3. What constitutes improved management technology for increasing chick-pea production in deep black soils (Vertisol)?
4. There is vast untapped potential for raising rice yields in Eastern India. Discuss nine major measures for increasing productivity of rice in the-region.

Section B

5. Write short critical notes, in about 200 words each, on any three of the following:
 - a. Drip irrigation.
 - b. Co J – 64 and Co C – 671.
 - c. Cost ratios in farm business.
 - d. Extension Programme Planning.
6. Discuss, the ten major approaches for boosting foodgrain production in rainfed lands.
7. Mention the important varieties and hybrids in extra-long staple cotton and indicate the contribution of each.
8. What are the various types of farm budgeting? What methods of budgeting is recommended when change in activity under study does not affect farm organization vitally and why?