

CSM – 6 / 15
Agriculture
Paper – I

Time : 3 hours

Full Marks : 300

The figures in the right-hand margin indicate marks.

*Candidates should attempt Q. No. 1 from Section – A and Q. No. 5 from Section – B which are compulsory and **three** of the remaining questions, selecting at least **one** from each Section.*

Section – A

1. Answer any **three** of the following in about **200** words each : **20×3 = 60**
- (a) Integrated nutrient management.
- (b) Differentiate biological weed control from chemical weed control and explain their advantages and disadvantages.

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(Turn over)

- (c) How do micro irrigation methods help improve water use efficiency (WUE) as well as reduction in the nutrient loss.
- (d) Role of Agroforestry in Indian Farming.
2. Explain problem soils. Discuss the extent of salt affected area in India and explain the methods of reclamation. 60
3. What are the factors affecting crop-weed competition ? Classify the herbicides with suitable examples. Explain the compatibility of herbicides with other agro chemicals. 60
4. Differentiate between Rainfed Agriculture and Dry land Agriculture. Write down the problems in dryland agriculture and briefly describe the improved technologies for sustaining agricultural production in rainfed areas. 60

Section – B

5. Write short notes on any **three** of the following each in about **200** words : $20 \times 3 = 60$
- (a) India's agricultural price policy.
- (b) Elaborated the components of ecology and its role in the conservation of biodiversity.

- (c) Crop insurance and natural calamities :
Comment.
- (d) WTO and its role in Agriculture. Describe.
6. Discuss the impact of climate change on the agriculture ecosystems and effect of environmental pollution on biosphere and its mitigation. 60
7. Bring out the key role of cooperatives in Indian Agriculture and explain how does it improve the economy. 60
8. Explain the importance of Farm mechanization in improving the crop productivity. 60

