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AGRICULTURE

28

PAPER—I

Time Allowed : Three hours *Maximum Marks* : 300

The figures in the margin indicate full marks for the questions

Answer Question Nos. **1** and **5** which are compulsory and *any* **three** from the remaining questions, selecting at least **one** from each Section

SECTION—A

1. Write notes on any *five* of the following in about *120* words each : 12×5=60

(a) Environmental pollution caused by chemicals used in Agriculture

(b) Effect of temperature on crop growth

(c) Impact of high yielding varieties on shifts in cropping pattern

(d) Intercropping

(e) Reclamation of problem soils

(f) Beneficial elements

(g) Classification of Indian soils

2. What are weeds? Give an account of the biological and chemical control of weeds. 60

3. Explain how physical and social environment can be important factors for crop distribution and production. 60

4. What are essential elements? Explain the role of nitrogen in crop productivity. How does fixation of atmospheric nitrogen occur? 60

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SECTION—B

5. Write notes on any *five* of the following in not more than *120* words each : 12×5=60

(a) Soil erosion

(b) Drip and sprinkler irrigation

(c) Role of cooperatives in agricultural economy

(d) Dryland agriculture

(e) Quality of irrigation water

(f) Marketing of agricultural products

6. Write an essay on soil and water pollution caused by industrial effluents and its impact on agriculture. 60

7. What are the major types of agriculture used in the world today? Describe the components of modern industrialized agriculture. 60

8. Give an account of the importance of agricultural extension. How are extension programmes evaluated? 60

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