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Question Paper Code : 57021

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2016

Second Semester

Agriculture Engineering

AI 6202 – PRINCIPLES AND PRACTICES OF CROP PRODUCTION

(Regulations 2013)

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

PART – A (10 × 2 = 20 Marks)

1. Write four modifications of crops under drought condition.
2. List out the internal factors affecting crop growth.
3. Write the systems of crop production
4. Define : LAI.
5. Write the methods of nutrient application.
6. Define : INM.
7. List out major four cereal crops with recommended NPK in Tamil Nadu.
8. Name the cultivation practices followed in sugarcane.
9. Write the cultivation practices for tomato.
10. Differentiate training and pruning.

PART – B (5 × 16 = 80 Marks)

11. (a) Narrate the adaptations of the crops to the existing environment.

OR

(b) Elaborately discuss the external factors affecting crop growth and production.

12. (a) Explain the competition among crop plants, spacing and arrangement of crops.

OR

(b) Write detailed notes on regional and seasonal selection of crops.

13. (a) Enumerate the crop management techniques in irrigation, weed management and IPM.

OR

(b) Elaborately discuss the types and methods of harvest.

14. (a) Write generalized management and cultivation practices for representative pulse crop.

OR

(b) Write detailed notes on cultivation practices for representative oil seed crop.

15. (a) Elaborately discuss cultivation practices for representative fruit crop.

OR

(b) Explain the special features of production of horticultural crops.
