

A

Reg. No. :

12

Question Paper Code: 53A06

B.E./B.Tech. DEGREE EXAMINATION, MAY 2018

Third Semester

Agricultural Engineering

15UAG306 PRINCIPLES AND PRACTICES OF CROP PRODUCTION

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer All Questions

PART A - (10x 1 = 10 Marks)

1. Planting/sowing of succeeding crop before the harvest of preceding crop CO1- R
 - (a) Relay cropping
 - (b) Sequential cropping
 - (c) Ratoon cropping
 - (d) Intercropping

2. Growing two or more crops consecutively on the same field in the same year is known as CO1- U
 - (a) multiple cropping
 - (b) diversified cropping
 - (c) relay cropping
 - (d) double cropping

3. Flooding method of irrigation is suitable for _____ crop CO2- R
 - (a) rice
 - (b) maize
 - (c) sunflower
 - (d) groundnut

4. Which is the world's most problematic weed? CO2- U
 - (a) Ambrosia
 - (b) Parthenium
 - (c) Utrica sp.
 - (d) Cyperus rotundus

PART – C (5 x 16= 80Marks)

16. (a) Narrate the adaptations of the crops to the existing environment. CO1-U (16)
- Or
- (b) Discuss different types of cropping system CO1 -U (16)
17. (a) Classify irrigation methods and explain with appropriate sketch CO2 -Ana (16)
- Or
- (b) What are the methods of irrigation? Discuss the drip irrigation system of irrigation with a neat sketch of layout indicating all components. CO2 -Ana (16)
18. (a) Explain the different methods of fertilizer application. CO3- U (16)
- Or
- (b) Recommend water, nutrient and weed management for any two oil seed CO3- U (16)
19. (a) Elaborate cultivation practices followed for sugarcane CO4-U (16)
- Or
- (b) Write detailed notes on cultivation practices of Fiber (Cotton) CO4 -U (16)
20. (a) Write detailed notes on cultivation practices of Fruit (Banana) CO5- Ana (16)
- Or
- (b) Elaborate cultivation practices followed for brinjal, tomato and chilli CO5- Ana (16)

