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Question Paper Code: 93A06

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2021

Third Semester

Agricultural Engineering

19UAG306 - Principles And Practices Of Crop Production

(Regulation 2019)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (10 x 1 = 10 Marks)

1. Agriculture is a _____ CO1- R
(a) Art (b) Science (c) Business (d) All of these
2. Agricultural Engineering is a branch of _____. CO1- R
(a) Agriculture (b) Horticulture (c) Agronomy (d) forestry
3. Meteorology is a _____ word. CO2- R
(a) greek (b) latin (c) chinese (d) italic
4. Lapse rate of about _____ °C per KM CO2- R
(a) 7.5 (b) 8.5 (c) 6.5 (d) 5.5
5. Origin of rice _____ CO3- R
(a) china (b) japan (c) india and burma (d) usa
6. Seed rate of rice fallow black gram _____ / ha CO3- R
(a) 25 kg (b) 10kg (c) 5 kg (d) 7 kg
7. Sugarcane seed material _____ CO4- R
(a) tubers (b) seeds (c) setts (d) all the above
8. Spacing of cotton CO4- U
(a) 12.5 x 10 (b) 14 x 60 (c) 60 x 30 (d) 15 x 15

9. Spacing of papaya CO5- U
 (a) 2m x 2m (b) 4m x 4m (c) 4m x 5m (d) 5m x 4m
10. Spacing of mango CO5 -U
 (a) 2m x 2m (b) 4m x 4m (c) 4m x 5m (d) 8m x 8m

PART – B (5 x 2= 10Marks)

11. List out the braches of agriculture CO1- R
12. What is mean by hydrosphere? CO2- R
13. Write the economic importance maize. CO3- U
14. What is propping. CO4- U
15. List out the four varieties of bhendi CO5- R

PART – C (5 x 16= 80Marks)

16. (a) Explain the different components of mould board plough with neat sketch CO1- U (16)
 Or
 (b) Explain the detail about the major classification of soil in India CO1- U (16)
17. (a) Explain the details about the moonsoon in india CO2 - U (16)
 Or
 (b) Explain the details about agro-clomatic zone in india CO2 - U (16)
18. (a) Discuss the production practices of maize CO3- U (16)
 Or
 (b) Discuss The Production Practices Of Rice CO3- U (16)
19. (a) Discuss the production practices of cotton CO4 -U (16)
 Or
 (b) Write the package and practices of sugarcane cultivation CO4 -U (16)
20. (a) Write the package and practices of bhendi cultivation CO5- U (16)
 Or
 (b) Write the package and practices of tomato cultivation CO5- U (16)