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Question Paper Code: 59713

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2020

Fifth Semester

Agriculture Engineering

15UAG503 - PLANT PROTECTION AND HARVESTING EQUIPMENTS

(Regulation 2015)

Duration: One hours

Maximum: 30Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. A dispenser that turns a liquid into a fine mist is_____ CO1- R
(a) Blower (b) Mist blower (c) Duster (d) Sprayer
2. _____and groundnut are sensitive to weed CO1- R
(a) Maize (b) Ragi (c) Rice (d) Corn
3. One gallon is_____ CO2-R
(a) 3.785 L (b) 4.58 L (c) 4.64 L (d) 3.00 L
4. Pressure of hand=operated sprayers varies from CO2- R
(a) 1-5 kg/cm² (b) 1-6 kg/cm² (c) 1-7 kg/cm² (d) 1-8 kg/cm²
5. A device for gathering a crop from a window is_____ CO3- R
(a) Pick up (b) Pick down (c) Peg Drum (d) Rasp Drum
6. _____is designed to cut the crop above the ground level CO3- R
(a) Cutter bar (b) Harrow (c) Seed drill (d) None of the above
7. Designing a fruit specific harvester for _____is very difficult CO4- R
(a) Pomegranate (b) Berries (c) Grapes (d) Pear
8. _____thresher has a cylindrical drum CO4- R
(a) Spike tooth (b) Star tooth (c) Rasp Bar (d) Both (a) & (b)
9. Whenever a plough works round a strip of Unploughed land, it is said to be___ CO5- U
(a) Gathering (b) Casting (c) Bund forming (d) None of the above

10. _____system weeds are seen as growth promoters CO5- U
(a) ICAR (b) SRI (c) IARI (d) IPM

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Explain about the long handled weeders in detail with illustrations. CO1- U (8)
12. Discuss about the classification of sprayers in detail. CO2- U (8)
13. Discuss elaborately about the Combine harvester types, its construction and working. CO3- Ana (8)
14. Design and working principle of Post-Hole Digger. CO4- Ana (8)
15. Briefly explain Aerial access hoist for Coconut and tall crop management with neat sketches with neat illustrations CO5- U (8)