

Reg. No. :

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**Question Paper Code: 59G52**

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

Interdisciplinary

Mechanical Engineering

15UGM952 - AUTOMATION IN AGRICULTURE

(Common to Information Technology)

(Regulation 2015)

Duration: 1:15 hours

Maximum: 30Marks

PART A - (6 x 1 = 6 Marks)

**(Answer any six of the following questions)**

1. The application of engineering and technology in agricultural operations to do a better way to improve productivity CO1- R  
(a) Custom hiring (b) Farm mechanization  
(c) Farm machinery (d) All of the above
2. The farm power requirement in 2020 by ICAR \_\_\_\_\_. CO1- U  
(a) 0.1kw/ha (b) 1 kw/ha (c) 2.0 kw/ha (d) 1.5 kw/ha
3. The minimum soil manipulation is essential for crop production in CO2-R  
(a) No tillage (b) Minimum tillage (c) Strip tillage (d) Reduced
4. The shovel of cultivator is made up of CO2- R  
(a) Chilled cast iron (b) Cast iron (c) Mild steel (d) Soft centre
5. What percent of the world's water is used for irrigation? CO3- U  
(a) 50% (b) 38% (c) 60% (d) 70%
6. In which of the following systems, the water falls drop by drop just at the position of the roots CO3- U  
(a) Sprinkler system (b) Sip system (c) Drip system (d) All of the above
7. In any solar-power system, the most important device used CO4- U  
(a) Solar charge controller (b) Solar battery  
(c) Solar converter (d) None of the above
8. The available traditional methods of irrigation CO4- R

