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Question Paper Code:R8A64

B.E./B.Tech. DEGREE EXAMINATION, NOV 2025

One Credit Course

R21UAG864- SOLAR PV SYSTEM

Agricultural Engineering

(Regulations R2021)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (5 x 2 = 10 Marks)

1. Explain about Solar PV system? CO1- U
2. What is meant by solar cell CO1- U
3. What are the advantages of solar PV system? CO1- U
4. List out the types of solar cell? CO1- U
5. List out applications of solar PV system? CO1- U

PART – B (20 x 2= 40 Marks)

6. (a) Explain advanced applications and advantages of Solar PV System CO2 - U (20)
Or
(b) Explain the Following with neat sketch CO2 -U (20)
 - i. Solar PV home lighting system
 - ii. Solar Pump
7. (a) Briefly explain the any two main applications of Solar PV System CO2- U (20)
with neat sketch
Or
(b) Explain the Following with neat sketch CO2 - U (20)
 - i. Solar Street Light
 - ii. Solar Lantern

