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Question Paper Code: U8A64

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2024

One Credit

Agricultural Engineering

21UAG864 – SOLAR PV SYSTEM

(Regulations 2021)

Duration: 1.30 hours

Maximum: 50 Marks

Answer ALL Questions

PART A - (5 x 2 = 10 Marks)

1. List out applications of solar PV system? CO1- U
2. Draw a simple layout of solar pump? CO1- U
3. Name two components of a solar PV system CO1- U
4. How does a solar PV system convert sunlight into electricity? CO1- U
5. What is the primary function of a solar photovoltaic (PV) system? CO1- U

PART – B (2 x 20= 40 Marks)

6. (a) Explain the Following with neat sketch CO1 U (20)
 - i. Solar PV power plants
 - ii. Solar PV fencing

Or

 - (b) Briefly explain the any two main applications of Solar PV System with neat sketch CO1- U (20)
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7. (a) Explain advanced applications and advantages of Solar PV System CO1 U (20)

Or

 - (b) Explain the Following with neat sketch CO1 U (20)
 - i. Solar PV home lighting system
 - ii. Solar Pump

