

Reg. No. :

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**Question Paper Code: 50034**

B.E. / B.Tech. DEGREE EXAMINATION, NOV 2017

One Credit Course

Electrical and Electronics Engineering

15UEE864 - SOLAR PHOTOVOLTAIC TECHNOLOGY

(Regulation 2015)

Duration: Three hours

Maximum: 30 Marks

Answer ALL Questions

PART - A (5 x 2 = 10 Marks)

1. Define fill factor.
2. Explain the term “ photovoltaic effect”.
3. What is meant by hybrid system?
4. Why battery is needed in a standalone PV system?
5. What is net metering?

PART - B (1 x 20 = 20 Marks)

6. (a) Explain the module fabrication techniques of rear contact solar cell and buried contact solar cell. (20)

Or

- (b) Explain the Grid connected PV systems with neat sketch and the steps involved in integrating PV systems with grid. (20)

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