

F

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 59373

B.E./B.Tech. DEGREE EXAMINATION, NOV 2018

Open Elective

Civil Engineering

15UEE973 - SOLAR POWER PLANTS

(Common to CSE,ECE,EIE,Mechanical,IT,Chemical)

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

PART –A (5 x 20= 100 Marks)

1. (a) Describe the Block Diagram of Hydro power plant with neat sketch and also explain pumped storage power plant
CO1 -U (20)
Or
(b) Explain nuclear power plants with neat sketch
CO1- U (20)
2. (a) Discuss about organic cycles with neat sketch
CO2 -Ana (20)
Or
(b) Discuss Binary cycles with neat sketch.
CO2 -Ana (20)
3. (a) Explain the types of reflectors and dish systems in solar thermal power plants.
CO3- U (20)
Or
(b) Explain in detail about Stand Alone and Grid connected PV systems
CO3 -U (20)
4. (a) Explain in detail about solar photovoltaic power systems
CO4 -Ana (20)
Or
(b) Discuss about System integration & Energy storage systems
CO4 -Ana (20)
5. (a) (i) Explain any four methods to calculate tariff
CO5 -U (10)
(ii) Explain Payback period system
CO5 -U (10)
Or
(b) Analyse the Economic factors of various power plants
CO5 -Ana (20)

