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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) Explain diesel power plant with neat sketch and also discuss about merits and demerits of diesel power plants . 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 combined 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 the basic principles of solar thermal power plants with neat block diagram CO3 -U (20)
4. (a) Explain in detail about solar photovoltaic power systems CO4 -Ana (20)
Or
(b) Discuss then operation of grid connected Systems in PV plants CO4 -Ana (20)
5. (a) Discuss about Economic Analysis for the Selection of Alternative Decisions and the future of the Power Plants. CO5 -Ana (20)
Or
(b) Discuss then operation of grid connected Systems in PV plants CO5 -Ana (20)

