Q.29 Explain working principal of fuel cell. (CO-7	No. of Printed Pages 4
Q.30 Write a short note on Micro Hydro plants. (CO-8	8) Roll No. 180932
Q.31 Explain the various types of prime movers use for geothermal energy conversion. (CO-5) Q.32 Enlist five disadvantages of Micro Hydro power plant. (CO-8)	Subject : Non-Conventional Source of Energy  Time : 3 Hrs
SECTION-D	SECTION-A
Note:Long answer type questions. Attempt any three questions.  \[ \frac{2}{3}\frac{10}{2} = \frac{3}{2}\frac{10}{2} = \frac{10}{2}\frac{10}{2} = \frac{10}{2}	compulsory $8 \times 2 - 16$ (40x1=10) e (Course Outcome/CO)
Q.34 Explain the construction and working of photovoltaic cell with diagram. (CO-2)	of Q.2 Solar cell convert solar energy into
Q.35 Explain with diagram the construction and working of hydrogen oxygen fuel cell. (CO-7)	d Q.3 Write any two application of biogas. (CO-3)
Q.36 Explain the various types of wind turbines in detail. (CO-4)	n Q.5 Efficiency of geothermal power plant is more
(Note: Course outcome/CO is for office use only)	Q.6 MHD stands For (CO-6)
	Q.7 Theoretical effeiciency of fuel cell is (CO-7)
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Q.8 Name the turbine commonly used in tida plant.	al power (CO-5)	Q.20 Enlist two disadvantage of MHD power generation. (CO-6)
Q.9 What electrolyte is commonly used	in fuel	Q.21 Define anaerobic digestion wet process. (CO-3)
cells?.	(CO-7)	Q.22 Define ocean thermal energy conversion
Q.10 Suns energy reaches on earth surfac	e in the	system. (CO-5)
form of	(CO-2)	SECTION-C
SECTION-B		Note: Short answer type questions. Attempt any five
Note: Very Short answer type questions. Atte	mpt any	questions. 5x8=40
ten parts [8x3=24] 4	<del>0x2=20</del> .	Q.23 Differentiate between Commercial and non-
Q.11 Define conventional source of energy	(CO-1)	commercial energy. (CO-1)
Q.12 Define Green house effect.	(CO-2)	Q.24 How solar radiations are converted into heat?
Q.13 Write the formula of biomass.	(CO-3)	(CO-2)
Q.14 Define Wind turbine.	(CO-4)	Q.25 Discuss power generation by using gasifiers.
Q.15 Define Geothermal Energy.	(CO-5)	(CO-3)
Q.16 Define MHD.	(CO-6)	Q.26 Explain the basic components of wind energy conversion system. (CC-4)
Q.17 Write any two applications of fuel cells	s. (CO-7)	Q.27 Differentiate between Geothermal Energy and
Q.18 Define mini hydel project.	(CO-8)	Tidal Energy. (CO-5)
Q.19 Ofve the two examples of Non-Conv Energy.	ventional (CO-1)	Q.28 Enlist the five advantages of MHD power generation system. (CO-6)
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