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BCET-301

is.		
Roll No.		
	Odd Semester Examination, 2019-20	
	B. Tech: EEE (Semester: 3 rd)	
	Energy and Environment Engineering(BCET- 301)	
Tri 2:00 hms	Max .Mark	s:100
Time: 3:00 hrs.	Total no. of printe	ed pages:1
Note: (i) All ques	stions are compulsory.	
(ii) In case	of numerical problems assume data whenever not provided.	
		4X5=20
1. Attempt any four	of the following	
(a) Define the	e term "energy". List various forms of energy?	
(b) Discuss th	e term "environmental sustainability"?	
(c) How Energ	gy and Environment are related to each other? Justify. ate Commercial and Non- Commercial sources of energy.	
(a) Differentia	Thermodynamics (ii) Law of energy Conservation.	
(e) Define (i)	e on 'Indian Energy scenario.'	
(1) Write note	Soft Matan Lite. Sy seems 1	4VE 20
2. Attempt any four	of the following	4X5=20
(a) Explain so	plar thermal energy storage systems.	
(b) Discuss "F	Photovoltaic Technology" in detail?	
(c) Write sho	rt note on:-	
(i) Nuclear	energy (ii) Geothermal energy (iii) Natural gas	
		/?
(e) Explain a	dal energy with suitable diagram. small hydro power plant. Why it is considered as renewable source of energo ossil fuels. What are remedies and alternatives for fossil fuels?	
(f) Explain f	ossil fuels. What are remedies and assertion	
	of the following	2x10=20
3. Attempt any two	nkage between economic and environmental services	
(h) Evnlain a	hout factors affecting Economics of Energy .	
(c) Write a d	etailed note on carbon footprint.	
(c) write a d		2x10=20
4. Attempt any two	of the following	
	2 Energy Flow 3, Ecological Pylanna, 4, 1000	
	a shoological study on solid waste management.	
1 1 5	hout cause effects and control measures of	
1. Marine	Pollution. 2. Soil Pollution. 3. Noise Pollution	
	- fallowing	2x10=20
5. Attempt any two		
(a) Discuss 1	the role of NGOs in the protection of environment.	
(b) Discuss	about following	
1. WWF	2. Greenpeace 3. IUCN	
T. VV VV F		