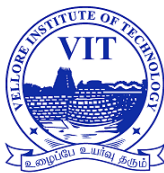



		Reg. No.:			
		Name :			
<div style="text-align: center;">   www.vitbhopal.ac.in </div>					
TERM END EXAMINATIONS (TEE) – December 2021- January 2022					
Programme		: B.Tech. [BCE]		Semester	
Course Name		: Energy & Environmental Physics		: Fall 2021-22	
Course Code		: PHY2002		Faculty Name	
Slot / Class No		: F11+F12/ 0247		: Dr. Suchetana Sadhukhan	
Time		: 1 ½ hours		Max. Marks	
		: 50			
Answer ALL the Questions					
Q. No.	Question Description				Marks
PART - A (30 Marks)					
1	(a)	What is energy and environmental sustainability? How does sustainable energy help the environment?			10
	OR				
	(b)	Assuming that you are okay source of blackbody radiation, determine the peak wavelength of light you are emitting. Your body temperature is 98.6° F.			10
	OR				
2	(a)	How does solar oven work? Discuss the advantages and disadvantages of it.			10
	OR				
	(b)	What is Biomass? How can it be converted into an useable energy source?			10
	OR				
3	(a)	Discuss the role of climate forcing and feedback on the climate change.			10
	OR				
	(b)	Describe the temperature and air pressure changes with altitude in the five layers of the atmosphere.			10
	OR				
PART - B (20 Marks)					
4	How does alternative source of energy can help in improving our future?				10
5	What do you mean by “the 100 year Global warming potential of methane is 25” statement?				10

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