

R.V.R. & J.C.COLLEGE OF ENGINEERING, GUNTUR-522019

(Autonomous)

DEPARTMENT OF ELECTRICAL ENGINEERING

Subject code & Title: **CS415(EEOL1) RENEWABLE ENERGY RESOURCES**

AY: 2025-2026

Semester VII [Fourth Year]

Max. Time: 135 Min.

Assignment Test II

Max. Marks:12

	Mark s	CO	Blooms Level
1. Derive the expression for total power in wind.	6 M	CO3	L1
2. Classify and explain about wind turbines.	6 M	CO3	L1
3. How energy from wind can be extracted? Explain the process by using suitable diagram.	6 M	CO3	L3
4. Explain the working of biogas digester with the help of diagram.	6 M	CO4	L2
5. With a neat sketch explain the devices employed for wave energy.	6 M	CO4	L3
6. What is geothermal energy? Explain about different types of geothermal resources.	6 M	CO4	L1