

**RV College of Engineering®**Mysore Road, RV Vidyaniketan Post,  
Bengaluru - 560059, Karnataka, India

NBA Accredited (UG - 6Years)

hod\_civil@rvce.edu.in

www.rvce.edu.in

Tel: 080-68188185

**Department of Civil Engineering**

Date	<b>23/7/2024</b>	Maximum Marks	<b>50</b>
Course Code	<b>CV242TA</b>	Duration (minutes)	<b>90</b>
Sem	<b>IV Semester</b>	<b>CIE-II</b>	
<b>ENVIRONMENT AND SUSTAINABILITY</b>			

NOTE: All questions are compulsory.

QNo.	Questions	M	BT	CO
1.	The last two decades shows an alarming increase in global temperatures. The rise has been directly linked to the increase in _____	2	1	2
2.	Write two disadvantages of Tidal energy	2	1	2
3.	What is meant by Carbon Sequestration	2	1	3
4.	Write two objectives of fair trade	2	1	1
5.	How Corporate Social Responsibility leads to sustainability.	2	2	3

<b>TEST - I</b>				
QNo.	Questions	M	BT	CO
1.	Brief on i) Bio mass energy ii) Ocean Thermal Energy conversion	10	1	1
2.	Demonstrate on "Hydrogen energy is a clean energy" write the advantages and Disadvantages of Hydrogen energy as a energy source.	10	3	3
3.	Write on four approaches and principles of Green engineering.	10	1	3
4.	Explain the importance of Environmental auditing towards the sustainable growth	10	2	2
5 a	Explain Source and sink in Carbon cycle.	05	2	1
5. b	Explain the prescriptive based and incentive based Environmental Economics.	05	2	3

**BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks**

Marks Distribution		Particulars	CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
Test	Max Marks		15	10	25		20	20	10	-	-	-

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Date	27/08/2024	Maximum Marks	10Q + 50T
Course Code	CV242TA	Duration (minutes)	120
Sem	IV Semester	IMPROVEMENT CIE	
ENVIRONMENT AND SUSTAINABILITY			

NOTE: All questions are compulsory.

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<b>IMPROVEMENT QUIZ</b>				
Q. No.	Questions	M	BT	CO
1.1	Mention any two major causes for climate changes.	2	1	3
1.2	List the benefits of circular economy.	2	1	3
1.3	Discuss energy efficiency, and why is it important in reducing environmental impact?	2	2	3
1.4	List the advantages of Green building.	2	1	4
1.5	Discuss the challenges, when trying to implement the 5Rs?	2	2	4

<b>IMPROVEMENT TEST</b>				
Q. No.	Questions	M	BT	CO
1.	Explain the key objectives of conducting an Environmental Impact Assessment (EIA).	10	2	3
2.	Discuss the role of Life Cycle Assessment (LCA) in calculating the carbon footprint of a product.	10	2	3
3.	Explain the principles of Corporate Social Responsibility.	10	2	4
4.	Discuss the history and evolution of Corporate Social Responsibility (CSR).	12	2	4
5.	Discuss the benefits of corporate philanthropy.	08	2	4

BT-Blooms Taxonomy, CO-Course Outcomes, M-Marks

Marks Distribution	Particulars		CO1	CO2	CO3	CO4	L1	L2	L3	L4	L5	L6
	Test	Max Marks	-	-	26	34	06	54	-	-	-	-

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