



**VI SEMESTER B.TECH (CIVIL ENGINEERING)**  
**END SEMESTER EXAMINATIONS, MAY/JUNE 2022**  
**SUBJECT: ENVIRONMENTAL MANAGEMENT [CIE 4303]**

**REVISED CREDIT SYSTEM**

(\_ / / 2022)

Time: 3 Hours

Max. Marks: 50

**Instructions to Candidates:**

- ❖ Answer ALL the questions
- ❖ Missing data may be suitable assumed.

Q.No		Marks	CO
1A.	Explain the components of sustainable development.	4	1
1B.	"Ecosystem is a closed loop system", Justify.	3	1
1C.	Define Environmental policy instrument. Explain briefly Regulatory and market based instrument.	3	2
2A.	List and explain the any four basic principles of international environmental law.	4	2
2B.	Explain various phases in carrying capacity study.	4	4
2C.	Discuss the problems associated with environmental taxes.	2	5
3A.	With a neat sketch explain the implementation of EIA with project life cycle.	4	2
3B.	Explain Deming's EMS cycle of continual improvement.	4	4
3C.	Mention the series of ISO 14000.	2	4
4A.	Discuss the ten point strategy classification of companies based on their environmental performance	3	5
4B.	Differentiate between cradle to grave concept and cradle to cradle concept in LCA	3	3
4C.	Explain the various phases in Life cycle assessment.	4	3
5A.	Explain the different Environmental valuation techniques.	4	5
5B.	Define. Environmental Auditing, Explain in detail the benefits of Environmental Auditing.	3	3
5C.	Explain With any two example the application of Environmental design in manufacturing products.	3	5