



1RV24B7011

Department of Civil Engineering

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| Department of Civil Engineering | | | |
| Date | 07/11/2025 | Maximum Marks | 10 + 50 |
| Course Code | CV232AT | Duration | 20 Min + 90 Min |
| Sem | III | CIE – I (Quiz + Test) | |
| Environment and Sustainability (Basket Course) | | | |
| Part A | | | |

Part A

| Sl. No. | Questions | M | BT | CO |
|---------|---|---|----|----|
| 1. | List the components of environment. | | | |
| 2. | Define biodiversity. | 2 | 1 | 1 |
| 3. | Define air pollution. What are the sources of air pollution? | 2 | 2 | 1 |
| 4. | The permissible day and night noise levels for a silent zone in India are dB and dB respectively. | 2 | 2 | 2 |
| 5. | What is renewable energy? List any two sources of renewable energy. | 2 | 1 | 2 |
| | | 2 | 2 | 2 |

Part B

| Sl. No. | Questions | M | BT | CO |
|---------|---|----|----|----|
| 1. | Classify different types of eco system and explain any two briefly. | 10 | 2 | 1 |
| 2. | Explain the concept of the ecosystem and energy flow. Discuss ecological succession. | 10 | 2 | 1 |
| 3. | What is Green Engineering? Explain the concept of sustainable urbanization and the role of socio-economic and technological change. | 10 | 2 | 2 |
| 4. | Briefly explain the following safety terminologies. i) Accident ii) Ergonomics iii) First aid iv) Hazard v) Safety inspection | 10 | 2 | 1 |
| 5. | With a neat sketch explain nitrogen cycle. | 10 | 2 | 2 |

Course outcomes:

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

| Marks Distribution | Particulars | | CO1 | CO2 | CO3 | CO4 | L1 | L2 | L3 | L4 | L5 | L6 |
|--------------------|-------------|-----------|-----|-----|-----|-----|----|----|----|----|----|----|
| | Test | Max Marks | 34 | 26 | - | - | 2 | 58 | - | - | - | - |
