

R.N.G.PATEL INSTITUTE OF TECHNOLOGY-RNGPIT
(An Autonomous Institute U/s UGC Act 1956)

B.Voc. SEMESTER-III, SEMESTER END EXAMINATION – WINTER 2025

SUBJECT CODE: 1IC304

DATE: 23-12-2025

SUBJECT NAME: ENVIRONMENT AUDIT

TIME: 11:00 AM to 01:00 PM

TOTAL MARKS: 50

Instructions

1. It is **compulsory** for students to write **Enrolment No. /Seat No.** on the question paper.
2. Attempt all questions in the question paper.
3. The figures to the right of each question indicate full marks. Make suitable assumptions with proper justification wherever required.
4. Simple, non-programmable scientific calculators are permitted.
5. BL - Cognitive Level (As per Revised Bloom's Taxonomy) (R-Remember, U-Understanding, A –Application, N –Analyze, E – Evaluate, C -Create), CO - Course Outcomes.

		Marks	BL	CO
Q.1	(a) Explain environmental audit with its significance.	05	U	1
	(b) Explain the data collection methods used during the on-site inspection phase of an environmental audit.	05	U	1
Q.2	(a) Classify the air pollutants on the basis of their physical and chemical properties.	05	U	2
	(b) Explain the design and working mechanism of wet scrubbers for removing gaseous pollutants.	05	U	2
OR				
Q.2	(a) Explain the working of fabric filters used to remove particulate matter from industrial emissions.	05	U	2
	(b) Explain the working of a cyclone separator used in particulate control.	05	U	2
Q.3	(a) Explain the sources and classification of water pollutants.	05	U	3
	(b) Describe the applications of primary and secondary wastewater treatment processes.	05	A	3
OR				
Q.3	(a) Explain physico-chemical characterization of wastewater.	05	U	3
	(b) Describe the applications of industrial water pollution management.	05	A	3

- Q.4 (a)** Define solid waste and list its collection methods. **05 R 4**
- (b)** Explain the environmental and health impacts due to improper disposal of solid, bio-medical and E-wastes. **05 U 4**

OR

- Q.4 (a)** Define E-waste and list its sources. **05 R 4**
- (b)** Explain the concept of 4R's. **05 U 4**

- Q.5 (a)** What is housekeeping checklist? **05 R 5**
- (b)** Write the applications of cleaner production (CP). **05 A 5**

OR

- Q.5 (a)** What is end-of-pipe solution? **05 R 5**
- (b)** Write the applications of green chemistry. **05 A 5**
