



**DIPLOMA IN CIVIL AND ENVIRONMENTAL ENGINEERING**

**CENTRALIZED QUESTION BANK**

**1010234440 - CONCRETE TECHNOLOGY**

**DIRECTORATE OF TECHNICAL  
EDUCATION GOVERNMENT OF  
TAMILNADU**

## DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

**Course:** Civil and Environmental Engineering

**Subject:** Concrete Technology

**QP Code:** 1010234440

**Time:** 3 Hours

**Date:**

**Session:**

**Max Marks:** 100

### Answer the following Questions

1. Determination of normal consistency and initial setting time of the given cement.
2. Determination of soundness of cement by Le chatlier's method
3. Determination of Compressive Strength of cement.
4. Determination of silt content in sand
5. Determination of bulking of River sand / M-sand
6. Determination of fineness modulus of fine /coarse aggregate by sieve analysis.
7. Determination of workability of concrete by slump cone test
8. Determination of workability of concrete by compaction factor test
9. Determination of workability by Vee- Bee Test
10. Determination of compressive strength on concrete cubes
11. Non-Destructive Testing of Concrete-Rebound Hammer Test
12. Determination of consistency of fresh concrete by flow table test.
13. Determination of carbonation depth on concrete

### Allocation of Marks

SL. No	Description	Marks
1	Aim and Apparatus Required	10
2	Tabulation / observation	20
3	Graph / Sketch / Calculation	20
4	Result	10
5	Written Test	30
6	Viva Voce	10
	Total	100