



DIPLOMA IN METALLURGY

CENTRALIZED QUESTION BANK

1026234640 - METAL CASTING PRACTICAL

**DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU**

DIRECTORATE OF TECHNICAL EDUCATION, GUINDY, CHENNAI-600 025

BOARD OF EXAMINATIONS,

DIPLOMA PRACTICAL EXAMINATIONS-APRIL 2025

REGULATION 2023

SUBJECT CODE: 1026234640

COURSE CODE: 1026

SUBJECT NAME: Metal Casting Practical

SEMESTER: IV

S.NO

List of questions as per the syllabus

- 1 Collect the true representative sample for the testing purpose.
- 2 Prepare the standard sand specimen using sand rammer.
- 3 Determine the Shatter Index number of the sand specimen.
- 4 Determine the Permeability of the sand specimen.
- 5 Determine the Mould Hardness
- 6 Determine the core Hardness.
- 7 Determine the moisture content of sand using Speedy moisture teller
- 8 Determine the Green compression strength for the sand specimen
- 9 Determine the Green Shear strength for the sand specimen.
- 10 Determine the AFS grain fineness number for the sand specimen using Sieving method.
- 11 Prepare the Core using CO₂ process.

Allocation of Marks

1	Procedure	25
2	Equipment Handling / Performance	25
3	Result	10
4	Written Examination (MCQ 30 Questions)	30
5	Viva voce	10
Total		100