

GTE LAB TITLES:

CBR TEST

TRIAxIAL TEST

DIRECT SHEAR TEST

UNCONFINED COMPRESSION TEST

CONSOLIDATION TEST

PERMEABILITY TEST

CASAGRANd LIQUID LIMIT APPARATUS

CASAGRANd PLASTIC LIMIT APPARATUS

SHRINKAGE LIMIT APPARATUS

VICAT APPARATUS

COMPACTION TEST

CORE CUTTER METHODE

SAND REPLACEMENT METHODE

SPECIFIC GRAVITY TEST

SEIVE ANALYSIS APPARATUS

SEIVE SHAKER

CT & HM LAB TITLES:

ABRATION TEST

AGGREGATE IMPACT TEST

ATTRITION TEST

SHAPE TEST / LENGTH GAUGE / THICKNESS GAUGE

PENETRATION TEST

DUCTILITY TEST

OVEN

SOFTENING POINT TEST

FLASH AND FIRE POINT TEST

COMPRESSION TEST OF CEMENT

SCHMIDT'S HAMMER OR ULTRA SONIC TESTER

WEIGHING MACHINE

SLUMP CONE TEST

MARSHAL STABILITY TEST APPARATUS

COMPRESSION TEST ON CONCRETE

BITUMINOUS EXTRACTOR

SURVEYING LAB TITLES:

CHAINS, TAPES, RANGING RODS, CROSS STAFF, ARROWS

COMPASSES AND TRIPODS, OPTICAL SQUARE

PLANE TABLE ALIDADE, PLUMBING FORK, TROUGH COMPASSES

LEVELING INSTRUMENTS & LEVELING STAVES

TOTAL STATION

THEODOLITE

BOX SEXTANTS & PLAIN METER

ENGINEERING GEOLOGY LAB TITLES:

ROCK SPECIMENS

MINERAL SPECIMENS

MODELS OF STRUCTURAL GEOLOGY

FM & HM LAB TITLES:

BERNOULLIS APPARATUS

HYDRALIC JUMP

STRESNGTH OF MATERIALS LABORATORY

- 1) Tension test
- 2) Bending Test on (Steel/Wood)Cantilever beam
- 3) Bending test on simple support beam
- 4) Torsion test
- 5) Hardness test
- 6) Spring test
- 7) Compression test on wood or concrete
- 8) Impact test
- 9) Shear test
- 10) Verification of Maxwell's Reciprocal theorem on beams
- 11) Use of electrical resistance strain gauge
- 12)Continuous beam-deflection test

ENVIRONMENTAL ENGINEERING LABORATORY

- 1) Determination of pH and Turbidity
- 2) Determination of Conductivity and Total dissolved solid(Organic and Inorganic)
- 3) Determination of Alkalinity/Acidity
- 4) Determination of Chlorides
- 5) Determination of Iron
- 6) Determination of Dissolved Oxygen
- 7) Determination of Nitrates
- 8) Determination of optimum dose of coagulant
- 9) Determination of Chlorine demand
- 10) Determination of B.O.D
- 11) Determination of C.O.D
- 12) Determination of optimum coagulant dose
- 13) Determination of Chlorine Demand

ENGINEERING WORKSHOP

1. TRADES FOR EXERCISES:

1. Carpentry
2. Fitting
3. Tin-Smithy and Development of jobs carried out and soldering.
4. Black Smithy

5. House-wiring
6. Foundry
7. Welding
8. Power tools in construction, wood working, electrical engineering and mechanical Engineering.

2. TRADES FOR DEMONSTRATION & EXPOSURE:

1. Plumbing
2. Machine Shop
3. Metal Cutting (Water Plasma)