

# **SAI NATH UNIVERSITY RANCHI JHARKHAND**

## **PRACTICAL LIST**

### **REFRIGERATION & AIR CONDITIONING SHOP**

- EX-1 Study and sketch of Vapor compression system .
- EX-2 Assemble and disassemble of Air Conditionar.
- EX-3 Study and sketch of Vapor absorption system .

## **CIVIL PRACTICAL LIST**

### **BATCH- JUNE 15 & 16, COURSE- Diploma engg., Stream- Civil, Sem-5**

1. To determine soundness of cement.
2. To determine setting time (initial and final) of cement.
3. Leveling - To find the difference of level between two distant points by taking staff reading.
4. Compass surveying- By surveyor compass.
5. Layout of a building.
6. Determination of surface moisture of aggregates.
7. Steel welding( Lap joint, Butt joint)
8. Plane table surveying.

9. Traversing in an Area by plane table
10. Leveling of a closed traverse.

### **CIVIL PRACTICAL LIST**

#### **BATCH- JUNE 15 & 16, COURSE- Diploma engg., Stream- Civil, Sem-3**

1. To conduct field test of cement.
2. To determine fineness of given sample of cement.
3. To determine water absorption of bricks.
4. Chain surveying-
  - i. Ranging a line .
  - ii. Checking and recording in the field book .
  - iii. Testing and adjustment of chain .
5. Compass survey-
  - a. Setting the compass and taking observation .
6. Layout of a building.
7. Determination of water absorption of aggregates.
8. Standard size dimension test of bricks.
9. To verify triangle law of forces.
10. To verify parallelogram law of forces.