

GYAN SAGAR COLLEGE OF ENGINEERING

DEPARTMENT OF CIVIL ENGINEERING

GEOTECHNICAL ENGINEERING LAB

LIST OF EXPERIMENTS

- 1. Determination of water content by Oven drying method.**
- 2. Determination of water content by Pycnometer**
- 3. Determination of soil field density by core cutter method**
- 4. Determination of soil field density by sand replacement method**
- 5. Determination of Specific Gravity By Pycnometer.**
- 6. Determination of Consistency Limits (i) Liquid Limit (ii) Plastic Limit (iii) Shrinkage Limit**
- 7. Determination of liquid limit of soil by cone penetrometer.**
- 8. Grain size analysis by sieve shaking method**
- 9. Grain size analysis of fine grained soil by sedimentation using (i) pipette (ii) hydrometer.**
- 10. Determination of coefficient of permeability of soil by- (a) constant head method (b) variable head method.**
- 11. Determination of compaction parameters by- (a) light compaction, (b) heavy compaction.**
- 12. Direct Shear test**
- 13. Triaxial Test**
- 14. Unconfined Compression Strength Test**