**ST.JOSEPH’S COLLEGE FOR WOMEN (AUTONOMOUS), VISAKHAPATNAM**

V SEMESTER **BIOCHEMISTRY** TIME:2HRS/WEEK

BCH-E3-5853 (2) **GENETIC ENGINEERING LAB** MAX.MARKS:50

w.e.f. 2020-2021 (20AH) **SYLLABUS**

**List of Experiments**

1. PCR

2. Restriction mapping

3. CaCl2 mediated transfection

4. Restriction Fragment Length Polymorphism (RFLP)

5. Random Amplified Polymorphic DNA (RAPD)

6. Plasmid isolation from E. coli

**Suggested books**

1. Genes and Probes, A Practical Approach Series (1995) by Hames and SJ Higgins; Oxford

2. Gel Electrophoresis of Nucleic Acids, A practical Approach (1990) by D Rickwood and BD Hames. Oxford Univ. Press.

3. Genetics by Gardinar

4. Biotechnology by U.Satyanarayana