

**SATAVAHANA UNIVERSITY**  
**UG Practical Examination Question Bank**  
**B.Sc (CBCS) Biotechnology- III Year**  
**Semester VI (Elective)      Environmental Biotechnology**

**Time: 2hr**

**Max. Marks: 25**

**I      Major Experiment      1\*6=6M**

- 1. Isolation of microorganisms from soil/industrial effluents**
- 2. Production of hydrogen or biogas using cow/cattle dung**
- 3. Estimation of BOD in water samples**
- 4. Production of ethanol from waste byproducts**

**II    Minor Experiment      1\*4=4M**

- 5. Estimation of COD in water samples**
- 6. Estimation of Total dissolved solid**
- 7. Identification and characterization of bioremediation microorganisms**
- 8. Conservation of useful microorganisms**

**III   SPOTTINGS      5\*2=10 M**

- |                                |                                   |
|--------------------------------|-----------------------------------|
| <b>1. Xenobiotic compounds</b> | <b>2. Bioaccumulation</b>         |
| <b>3 . Composting</b>          | <b>4. Bioethanol</b>              |
| <b>5 . Biotic pollutant</b>    | <b>6 . Global warming</b>         |
| <b>7 . Green house gases</b>   | <b>8 . Biomass</b>                |
| <b>9 . Renewable energy</b>    | <b>10. Fossil fuels</b>           |
| <b>11. Biohydrogen</b>         | <b>12 . Biodiesel</b>             |
| <b>13 . Phytoremediation</b>   | <b>14 . Waste water treatment</b> |
| <b>15 . Biodiversity</b>       |                                   |

**IV RECORD      3M**

**V VIVA      2M**