

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

**Time: 2hr**

**Max. Marks: 25**

**I      Major Experiment 1\*6=6M**

1. Screening of amylase producing microorganisms
2. Production of alcohol by fermentation and estimation by colorimetry
3. Isolation of microbes from soil or industrial effluents
4. Production of wine using common yeast

**II    Minor Experiment 1\*4=4M**

5. Screening of Microorganisms
6. Production of Penicillin/Ampicillin
7. Estimation of Dissolved oxygen in water samples
8. Quality testing of milk by MBRT

**III   SPOTTINGS 5\*2=10 M**

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|--------------------------------------|-------------------------------------|
| 1. Microbial technology applications | 2. Industrial Useful products       |
| 3 . Strain improvement               | 4. Intellectual Property Rights     |
| 5 .Cryoperservation                  | 6 .Factors influencing fermentation |
| 7 . Fermentation media               | 8 .Principle of fermentation        |
| 9 .Fermentation design               | 10. Batch Fermentation              |
| 11. Recombinant vaccines             | 12 . Biomethane                     |
| 13 . Lactic acid                     | 14 . Bioremediation                 |
| 15 . Biomining                       |                                     |

**IV RECORD 3M**

**V VIVA 2M**