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TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2008-09)
Course: M.Sc. BIO-TECHNOLOGY (Final)

Note: Students are advised to read the separate enclosed instructions before beginning the writing of assignments.

Out of 15 Internal Assignment marks per paper, 5 marks will be awarded for regularity (attendance) to Counseling/ Contact Programme/ Practical classes pertaining to the paper. Therefore, the topics given below are only for 10 marks each paper.

Paper V: Cell and Tissue Culture Technology

- 1 Explain the gene transfer techniques employed for the production of transgenic plants. **5 Marks**
- 2 Write an account on the essential features and composition of cell culture medium. **5 Marks**

Paper VI: Industrial Biotechnology and Environmental Biotechnology

- 1 Discuss the economics and scope of Single cell protein in industry. **5 Marks**
- 2 What is Bioremediation? Write an account on its applications. **5 Marks**

Paper VII: Computer Applications and Bioinformatics

- 1 Explain protein sequence databases with suitable examples. **5 Marks**
- 2 Write an account on the operating systems. **5 Marks**

Paper VIII: Recombinant DNA Technology

- 1 Explain the principle and procedure employed for the construction of cDNA library. **5 Marks**
- 2 Explain the procedure of animal cloning. Add a note on the ethical issues related to it. **5 Marks**