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Topics for Internal Assessment Assignments (2010–11)

Course : M.Sc. BIOTECHNOLOGY (Final Year)

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 Describe in detail the techniques and importance of protoplast culture **5 Marks**
- 2 Write an account on composition and importance of animal cell culture media **5 Marks**

PAPER-VI: INDUSTRIAL AND ENVIRONMENTAL BIOTECHNOLOGY

- 1 Describe the design and applications of Bioreactors **5 Marks**
- 2 Explain the strategies employed in Hazardous waste management **5 Marks**

PAPER VII: COMPUTER APPLICATIONS AND BIOINFORMATICS

- 1 Write a detailed account on the importance and applications of MS-Office **5 Marks**
- 2 Explain Genomics and add a note on their applications in Biotechnology **5 Marks**

PAPER VIII: RECOMBINANT DNA TECHNOLOGY

- 1 Describe the biology of Cloning Vectors **5 Marks**
- 2 Write an account on Molecular tools used in recombinant DNA technology **5 Marks**
