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**TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2010 -11)**  
**Course: M.Sc. BIO-TECHNOLOGY (Previous)**

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*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.*

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**Paper I: Chemistry of Biomolecules and Biostatistics**

- 1 Write a detailed account on Carbohydrates. **5 Marks**
- 2 Write an account on the Probability Distribution with suitable examples. **5 Marks**

**Paper II: Cell and Molecular Biology**

- 1 Explain the structure and functions of Cell Membrane. **5 Marks**
- 2 Describe the process of Gene Regulation. **5 Marks**

**Paper III: Microbiology & Immunology**

- 1 Explain the role and applications of micro organisms in human Health care system. **5 Marks**
- 2 Write a detailed account on Antigen-Antibody reactions. **5 Marks**

**Paper IV: Basic Enzymology**

- 1 Give a detailed account of Isolation and Purification of Enzymes. **5 Marks**
- 2 Write an account on Enzyme Inhibitors and Immobilization of Enzymes? Mention their applications. **5 Marks**