

DEPARTMENT OF PHARMACEUTICAL SCIENCES & TECHNOLOGY
BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(Internal Assessment I)

CLASS: BPHARM		SEMESTER: I	
BRANCH: PHARMACY		SESSION: MO/2025	
SUBJECT: BP102T PHARMACEUTICAL ANALYSIS			
TIME: 2.00 Hour		FULL MARK: 30	

PART I

A. Objective type questions (Answer all questions)	(5 x 02 = 10 marks)
1. A _____ standard is of high purity, while a _____ standard needs standardization.	
2. Molarity is expressed as moles per _____, and normality as equivalents per _____.	
3. Indian Pharmacopoeia provides official methods of _____ and _____ of drugs.	
4. Define and differentiate between oxidant and reductant.	
5. Determine the equivalent weight of Potassium Permanganate in acidic, alkaline, and neutral conditions.	

PART II

B. Long Answers (Answer any one out of two)	(01x10=10 marks)
1. Explain the preparation and standardization process of 0.1 N sodium hydroxide.	
2. Justify the role of different types of redox indicators used in redox titration	

PART III

C. Short Answers (Answer any two out of three)	(02x05=10 marks)
1. What is the difference between accuracy and precision? Give examples.	
2. Derive Nerst's equation and write its significance.	
3. Give a detailed note on iodimetry and iodometry with suitable examples.	

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