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Total No. of Pages : 01

Total No. of Questions : 08

**B.Pharma (2012 to 2016) (Sem.-1)  
PHARMACEUTICAL ANALYSIS-I**

Subject Code : BPHM-103

M.Code : 46203

Time : 2 Hrs.

Max. Marks : 40

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE question(s), each question carries 8 marks.

- Q1. Explain the neutralization curve for acetic acid vs. NaOH and suitable indicators to be employed in this titration.
- Q2. Discuss the chemistry of permanganate titrations and their pharmaceutical importance.
- Q3. What is sampling? Explain any one sampling procedure in detail.
- Q4. Explain the importance of flocculation and co-precipitation in gravimetry.
- Q5. Explain the gravimetric estimation of calcium.
- Q6. Give derivation for the expression for hydrolysis constant and pH for a solution of a salt of weak acid and strong base.
- Q7. What is Fajan's method? Discuss its titration conditions and theoretical basis.
- Q8. Classify errors in analysis. What are various sources of errors? Discuss various methods for minimization of errors in pharmaceutical analysis.

**Note:** Any student found attempting answer sheet from any other person(s), using incriminating material or involved in any wrong activity reported by evaluator shall be treated under UMC provisions.

Student found sharing the question paper(s)/answer sheet on digital media or with any other person or any organization/institution shall also be treated under UMC.

Any student found making any change/addition/modification in contents of scanned copy of answer sheet and original answer sheet, shall be covered under UMC provisions.

