

Code No: R7-102-BP

B. Pharmacy I Year Regular Examinations, June 2009 PHYSICAL PHARMACY

Time: 3hours

Old entrance exam solved question paper, previous year paper, and guess paper

Max. Marks: 80

Answer any FIVE questions All questions carry equal marks

| 1. a) b) | Discuss the applications of the phase rule. Explain in detail about triple point. | [8+8] |
|-------------|---|---------------|
| 2. a) b) | What is Joule-Thomson effect? Write its experiment. Write comparisons between Isothermal and Adiabatic | expansions |
| 3. a) b) | Elaborate on refractive index and molar refraction. Define polarity and explain working of polarimeter. | [8+8] |
| b) | Explain in detail Depression of Freezing point. Write in detail its significance and one method to deterdepression of freezing point. | mine [8+8] |
| 5. Ex | plain Modern Theories of strong Electrolytes. | [16] |
| 6. a) b) | Elaborate on acidity constants. Write its significance in detail. | [6+10] |
| 7. a) b) | Define Buffer. Explain in detail buffer capacity. Write applications of Buffers. | [8+8] |
| | How do measure the emf of cells? What is Nernst equation? Derive and explain. | [8+8] |