

**Rajiv Gandhi University of Health Sciences**  
**First Year M.Pharm Degree Examination – May 2011**

[Time: 3 Hours]

[Max. Marks: 100]

**ADVANCED INDUSTRIAL PHARMACY****(RS 2 & RS 3)****Q.P. CODE: 9302**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary. Answer all questions

**LONG ESSAY (Answer any TWO)****2 X 20 = 40 Marks**

1. Explain briefly about the pilot scale up technique of pharmaceutical dosage forms
2. Explain the preventive measures in industrial hazards, pollution and fire
3. Define inventory and explain the material and maintenance management

**SHORT ESSAY (Answer any FIVE)****5 X 10 = 50 Marks**

4. How will you improve the solubility of poorly soluble drugs? Explain
5. Write the procedure of effluent treatment
6. Discuss about the polymorphism in formulation
7. Explain the good manufacturing practice with respect to the plant
8. Mark the salient features of 14000 validations
9. Write the procedure to apply for patent

**SHORT NOTES****2 X 5 = 10 Marks**

10. TRIPS and TRIMS
11. ISO 9000

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