

Rajiv Gandhi University of Health Sciences, Karnataka

First Year M. Pharm Degree Examination – May 2016

Time: Three Hours**Max. Marks: 100 Marks**

ADVANCED INDUSTRIAL PHARMACY **(Revised Scheme 4)** **Q.P. CODE: 9390**

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

LONG ESSAYS (Answer any Two)**2 x 20 = 40 Marks**

1. Explain Techniques for the study of Crystal Properties and Polymorphism – DSC, TGA, PXRD and hot stage microscopy.
2. Explain the pilot plant considerations of tablet formulations.
3. Explain the detailed procedure adopted for patenting an invention.

SHORT ESSAYS (Answer any FIVE)**5 x 10 = 50 Marks**

4. Explain the aspects of generic product development and its approval.
5. Explain ICH guidelines for stability testing of a drug product.
6. What are the possible chemical hazards? How they can be controlled.
7. Explain effluent treatment methods of formulation plants.
8. Describe the influence of temperature on drug degradation.
9. Explain master formula records and master production records.

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

10. Solid waste management.
11. Write the concept of optimization.
