

Rajiv Gandhi University of Health Sciences, Karnataka

First Year M. Pharm Degree Examination – NOVEMBER 2015

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. Discuss the sources and control of environmental pollution in a pharmaceutical industry.
2. Discuss pilot plant scale up technique for tablets.
- 3 Explain the role of GATT, TRIPS and WIPO

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

4. Discuss the role of containers in stability testing.
5. Explain the generic drug product development and its approval.
6. Explain Optimization techniques – concept of optimization and optimization parameters.
7. Write a note on shelf life calculations.
8. Write a note on excipient compatibility studies.
9. Discuss the prevention and control of fire and explosion hazards.

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

10. Regulations for Biosimilars.
11. Batch production and control records.
