

Rajiv Gandhi University of Health Sciences
First Year M.Pharm Degree Examination - Nov 2011

[Time: 3 Hours]

[Max. Marks: 100]

ADVANCED PHARMACEUTICAL TECHNOLOGY**PAPER I****(RS 2 & RS 3)****Q.P. CODE: 9272**

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 the various optimization techniques in pharmaceutical formulations.
2. Explain the formulation aspects of sublingual, buccal and chewable tablets.
3. What are the impacts of GATT, TRIPS and WTO on Indian pharma industries?

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

4. What are the various optimization parameters?
5. Explain the finished products specifications.
6. Explain the physico-chemical characteristics to be considered for a new drug molecule.
7. Evaluation parameters of Hard gelatin capsules.
8. Explain Total quality management
9. Explain surfactant and its importance.

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

10. Preparations of lipsticks.
11. Importance of cosolvency.

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