

Rajiv Gandhi University of Health Sciences
First Year M.Pharm Degree Examination – May 2013

[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. a) Explain in detail about physicochemical factors affecting preformulation and discuss the need for preformulation studies.
b) Enumerate in detail about the energy expenditure of compression force.
2. a) Discuss in detail about technology of material management in pharm industry.
b) Write about the factor affecting tablet compression.
3. Define patent? Explain briefly about the intellectual property rights and regulatory affairs.

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

4. Explain the various mechanical hazards in pharm industry.
5. Discuss the significance of pilot plant scale up study.
6. Pharmaceutical aspects related to GATT and TRIPS.
7. Explain the inventory management.
8. Explain the procedure of determining shelf life of a formulation by accelerated stability testing.
9. Discuss the process validation.

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

10. Salient features of ISO 9000 series.
11. Inventory control.

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