

Rajiv Gandhi University of Health Sciences
First Year M. Pharm Degree Examination - Oct/Nov 2014

[Time: 3 Hours]

[Max. Marks: 100]

BULK DRUG TECHNOLOGY

(RS 2 & RS 3)

Q.P. CODE: 9203

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. Draw the flowchart, equipment used in process development of the following drugs
a) Diazepam b) Nimesulide
2. Explain in detail about the historical development of bulk drug industry in India
3. Explain the procedures to be followed and rules to be satisfied in establishing bulk drug unit

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. Write briefly about types of drugs and their definitions. How do you isolate a natural product?
5. What is loan license? Explain the procedure to get loan license
6. Explain briefly about the applications of R-DNA technology in pharmacy
7. What is the importance of biotechnological products in health care and distinguish them with synthetic drugs
8. What is the necessity of an effluent treatment plan in the present scenario? Explain about environmental pollution control
9. What is GATT, pre GATT and post GATT Era explain in detail

SHORT NOTES

2 X 5 = 10 Marks

10. Brief the following
a) Tissue culture b) Exim policy
11. Enumerate the advantages and limitations of Homeopathic formulations

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