

Rajiv Gandhi University of Health Sciences, Karnataka
First Semester M. Pharm Degree Examination - 08-Nov-2023

[Time: 3 Hours]

[Max. Marks: 75]

MODERN PHARMACEUTICS

Q.P. CODE: 5129

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

Answer All The Questions

10 x 7.5 = 75 Marks

1. Explain the different methods to evaluate drug excipient interactions.
2. Define Optimization. Discuss optimization techniques used in pharmaceutical formulation.
3. Discuss ICH guidelines for calibration of equipments.
4. Explain response surface methodology. Discuss contour designs.
5. Explain the term consolidation, compression and compaction. What is the effect of friction on compression?
6. Describe Validation protocol for tablet compression machine.
7. Explain the photostability testing of new drug. What is the importance of kinetics of stability?
8. Explain the principle of budget and cost control in pharma industry.
9. Explain Chi-Square Test. Explain f1 and f2 similarity factors.
10. Add a note on building layout and facilities of a pharma industry.

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