Rajiv Gandhi University of Health Sciences

First Year M. Pharm Degree Examination - June-2019

[Time: 3 Hours] [Max. Marks: 100]

Preformulation and Production Management

(Revised Scheme 4)

Q.P. CODE: 9337

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

LONG ESSAY (Answer any TEN) **10 X 10 = 100 Marks**

1. Explain the various parameters considered for physicochemical properties of new liquid drug molecule.
2. Enumerate different types of design of experiments and explain any two.
3. Define and explain various forces involved in compaction of powders.
4. Explain stability testing procedure for a new drug substance.
5. Explain ISO 9000 series for quality system.
6. Explain modern inventory management system and different methods for evaluation of inventory management system.
7. Discuss in detail different about types of material handling system.
8. Explain the procedure for filling a product patent in India.
9. Discuss the pilot plant procedure adapted for parenterals.
10. Explain the safety measures to be undertaken to avoid (a) Fire accidents in pharma industry (b) While cleaning and operating the tablet compression machine.
11. Explain about regulatory requirements in TGA and ANVISA.
12. Write about Process automation technology in Pharmaceutical manufacturing.

* * * * *