FirstRanker.com First Semester M. Pharm Degree Examination - JA

Time: Three Hours

Advances Pharmaceutical Technology **O.P. CODE: 5127**

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

LONG ESSAY (Answer any Three)

- 1. Explain the techniques to study of crystal properties and thermal analysis in preformulation studies.
- Classify and discuss on biodegradable and natural polymers in drug formulations 2.
- 3. Write the layout and facility of cGMP process of LVP.
- 4. Explain the compression process and force measurement in tablet manufacturing.

SHORT ESSAY (Answer any Nine)

- 5. Describe in detail sterility testing of parenterals.
- 6. Write the effect of surfactant, pH and cosolvents in drug solubilisation process.
- 7. Explain briefly solid dispersions.
- 8. Write a note on drug complexation technique in preformulation studies.
- 9. Discuss about directly compressible vehicles in tablet formulations.
- 10. Write short notes on hydrogels.
- Describe evaluation tests for small volume parenterals. 11.
- 12. Write the machinery involved in the filling of soft gelatin capsules.
- 13. Write a note on importance of microscopic studies in preformulation.
- www.firstRat**** Explain the aqueous solubility, organic solubility and intrinsic solubility. 14.

3 X 10 = 30 Marks

9 X 5 = 45 Marks

Max. Marks: 75 Marks

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