

Rajiv Gandhi University of Health Sciences, Karnataka

First Year M. Pharm Degree Examination – Oct/Nov 2014

Time: Three Hours**Max. Marks: 100 Marks**

ANALYTICAL ASSURANCE (Revised Scheme 4)

Q.P. CODE: 9363

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

LONG ESSAYS (Answer any Two)**2 x 20 = 40 Marks**

1. Write different types of bioassay and explain statistical principle used in bioassay.
2. Describe the standardization of herbal substance with special emphasis on microbial, heavy metals and pesticide residues.
3. Write validation of analytical methods, as per ICH guidelines and USP.

SHORT ESSAYS (Answer any FIVE)**5 x 10 = 50 Marks**

4. Write in detail on preservative efficacy testing as per USP.
5. Describe qualification of UV- Visible spectrophotometer.
6. Write notes on membrane filtration methods for microbiology limit test?
7. Explain the types & sources of impurities & validation procedure for the same.
8. Explain the principle of sandwich ELISA.
9. Write details about accuracy and precision for analytical method validation.

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

10. Describe the application of near infra red spectroscopy.
11. Write about High-throughput screening.
