

**Rajiv Gandhi University of Health Sciences**  
**First Year M.Pharm Degree Examination – May 2011**

[Time: 3 Hours]

[Max. Marks: 100]

**FORMULATION TECHNOLOGY AND VALIDATION**

**PAPER II**

**(RS 2 & RS 3)**

**Q.P. CODE: 9292**

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. What is validation? Explain in detail. Write a detailed note on Validation and Calibration of analytical Equipment.
2. Describe the Formulation and evaluation of Transdermal products.
3. Write a note on protocol for Pre-Formulation studies.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Describe the different types of Solubilisation Techniques.
5. Write a note on Accelerated Stability Studies and Shelf life Prediction.
6. Write a note on quality control aspects of Plastic containers for Parenterals.
7. Write a detailed note on validation of dry heat and moist heat sterilization
8. Explain in detail the validation of water supply systems.
9. Write a note on Formulation, evaluation and quality control aspects of Dental Products.

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Baby Care Products
11. Evaluation of suppositories.

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