

# Rajiv Gandhi University of Health Sciences

## Ph.D Entrance Examination – MARCH-2019

**[Time: 90 Minutes]****[Max. Marks: 50 Marks]**

**Faculty : Pharmacy**  
**Subject : Pharmaceutics**  
**PAPER – II**  
**Q.P. CODE: P003**

Your answers should be specific to the Questions asked.

**Answer All The Questions****10 X 05 = 50 Marks**

1. Explain the methods to overcome the barriers of drug permeation in ocular drug delivery systems.
2. Describe the principle involved in mucoadhesion and state their advantages and disadvantages.
3. What are the types of validation? Add a note on the ICH and WHO guidelines for calibration of equipment.
4. Explain the objectives and policies of current good manufacturing practice.
5. Briefly discuss the Intra nasal route of drug delivery system and its evaluation.
6. How are liposomes prepared? What are their applications?
7. Mention the purpose of bioavailability studies and explain the method for assessing bioavailability.
8. Explain the regulatory provisions relating to the manufacture of cosmetics.
9. Describe the pharmacokinetic Two compartment model in brief.
10. Specify the sample handling techniques in IR.

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