

# Rajiv Gandhi University of Health Sciences, Karnataka

## Ph.D Entrance Examination – 06-Mar-2020

[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 aseptic processing operation.
2. What is drug biotransformation? Discuss pathways of biotransformation.
3. Effect of dosage form factors on oral and non-oral drug absorption.
4. Define adsorption and its importance. Explain methods to calculate base absorption.
5. Explain briefly methods of testing and elimination of pyrogen contamination.
6. What is expiry date and how it is calculated?
7. Give the various applications of rheology in pharmacy.
8. Osmotic drug delivery system.
9. Define pharmaceutical aerosols. What are the advantages of aerosol dosage form?
10. Volume of distribution and clearance.

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