

# Rajiv Gandhi University of Health Sciences, Karnataka

## Fifth Semester B. Pharm Degree Examination – 04-Dec-2020

**Time: Three Hours**

**Max. Marks: 75 Marks**

### **INDUSTRIAL PHARMACY - I**

**Q.P. CODE: 5019**

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

#### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Explain in detail manufacturing defects of tablets. With reasons and remedies.
2. Write in detail the facilities required in the manufacturing of parenterals.
3. Explain the different types of aerosol systems.

#### **SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Write on BCS classification system with examples.
5. Write in detail wet granulation technique.
6. Write the formulation and evaluation of emulsions.
7. Write on base adsorption and Minim/gram factor.
8. Explain any two techniques of microencapsulation.
9. Write on nature of soft gelatin capsule content.
10. Explain the extraction of gelatin.
11. Write a note on vehicles used in parenterals preparation.
12. Write the formulation and preparation of cold cream.

#### **SHORT ANSWERS (Answer All)**

**10 x 2 = 20 Marks**

13. Differentiate between amorphous and crystalline powder.
14. Write the importance of angle of repose in tableting.
15. Define capping and lamination.
16. Write the applications of pellets.
17. Write the different sizes of hard gelatin capsule.
18. List the evaluation methods for ophthalmic.
19. Write on HEPA filters.
20. Write the importance of isotonicity in ophthalmic.
21. Write the formulation of tooth paste.
22. Write the materials used for packing of pharmaceutical products.

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