

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BPHARM 0122]

**JANUARY 2022
(MARCH 2021 EXAM SESSION)**

Sub. Code: 2005

B.PHARMACY DEGREE COURSE (SEMESTER EXAMINATIONS)

PCI Regulation 2017 – SEMESTER I

PAPER III – PHARMACEUTICS - I

Q.P. Code: 562005

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Define Prescription. Explain about different parts of Prescription. Discuss about handling of Prescription and rectification of Errors in Prescription.
2. Define and classify Suppositories. Explain about different method of preparation and its ideal properties.
3. Define and classify Gels. Explain in detail about preparation and evaluation of Gels

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Give note on the different edition and volumes of Indian Pharmacopoeia.
2. a. How much ml of 20% dextrose in water and 50% dextrose in water are needed to make 750 ml of 35% dextrose in water?
b. What % strength corresponds to 30⁰ O/P and 40⁰ U/P?
3. Give the complete classification of Powders with example.
4. Discuss about different excipients used in Liquid dosage forms?
5. Define Syrup. Mention its type and method of preparation.
6. Elaborate different stability problems associated with Emulsions and mention how to overcome it.
7. Write the difference between Flocculated and Deflocculated suspension.
8. What is meant by Physical incompatibility? Give examples.
9. What are Pastes? Give its salient features .Comment on preparation of Paste.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. What is Extra Pharmacopoeia?
2. If the adult dose is 60 mg and the age of child is 4 years what will be the dose for child according to Young' rule?
3. What is Ostwald Ripening?
4. Give a note on Flocculation.
5. How to avoid Creaming in emulsion?
6. Define Microemulsion.
7. What is Zwitterion? Give Example.
8. What is meant by Synergistic effect?
9. What is the direction to be given while taking effervescent powders?
10. Write about Pessaries.