

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

[LR 0121]

JANUARY 2021

Sub. Code: 2005

(MARCH 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI Regulation 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 Dosage forms. Classify various types of dosage forms with examples and mention its advantages and disadvantages.
2. Define and classify Emulsion. Discuss about types of emulsifying agent and elaborate on various methods of emulsion preparation and stability problems associated with emulsion on storage.
3. Define Incompatibility. Explain about different types of incompatibility with suitable examples and mention about its remedies.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Write in detail about different edition and volumes of Indian Pharmacopoeia.
2. Explain about different parts of Prescription.
3. Enumerate the factors affecting Posology.
4. Give the complete classification of powders with example
5. a. Calculate the volume of each of 90%, 60%, 30% of alcohol and water required to produce 500 ml of 50% alcohol.
b. What % strength corresponds to 40^o O/P and 50^o U/P?
6. Mention the difference between Lotion and Liniment.
7. Differentiate Flocculated and Deflocculated system.
8. Give the property of Ideal suppository base.
9. Explain in detail about preparation and evaluation of Gels.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. What is Martindale?
2. Imperial and Metric system
3. Methods used for measuring Isotonicity.
4. Write about Fried's rule.
5. Explain Forbe's method.
6. Is there any need of suspending agent in milk of Magnesia? Why.
7. Write about Calibration of suppository mould.
8. Characteristics of Hygroscopic powders. Give example.
9. Define Enema and mention its type.
10. Ideal properties of Ointment base.
