

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

(LP 2005)

SEPTEMBER 2019

Sub. Code: 2005

B.PHARM. 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 semisolids. Write about different ointment bases.
2. Differentiate flocculated and deflocculated suspension. Write a note on stability problems of suspensions.
3. Write the evaluation tests for Ointments.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Write in brief about Pharmacy as a career.
2. Write about errors in prescription.
3. Explain geometric dilution.
4. Give the formulation of elixir with suitable examples.
5. Explain solubility enhancement methods.
6. Write the various tests to identify the type of emulsion.
7. Give the properties of an ideal suppository base.
8. Write in brief about alkaloidal incompatibility with suitable examples and methods to overcome it.
9. Write the factors affecting dermal penetration of drugs.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Define mouthwash and gargle.
2. What is an excipient? Give example.
3. Write any two dose calculation formulas based on age.
4. What is Extra Pharmacopoeia?
5. Define isotonic solution.
6. What are efflorescent powders?
7. What is phase inversion?
8. What is a flocculating agent?
9. What is Lugol's solution?
10. Use of calamine and bentonite in calamine lotion.
