Code No. 13224 / PCI

# FACULTY OF PHARMACY

## B. Pharmacy I-Semester (PCI) (Suppl.) Examination, August 2019

**Subject : Pharmaceutics – I**

**Time : 3 Hours** **Max. Marks: 75**

**Note: Answer all questions Part – A, any two questions from Part – B and any seven question from Part – C.**

### PART – A (10x2=20 Marks)

1 List the formula's for cloes calculation based on Age.
2 Define Elixirs and Syrups.
3 Find the strength of 95% v/v alcohol in terms of Proof spirit.
4 List the excipients used in formulation of liquid dosage form.
5 Write a formula of Mouthwashes.
6 Write any one test used for identification of type of Emulsion.
7 Identify the type of incompatibility in the given prescription.
Rx
Menthol – 5 gm,
Camphor – 5 gm,
Thymol – 5 gm,
Make an insufflations powder
8 Write any two advantages and disadvantages of Suppositories.
9 Classify Semisolid dosage forms.
10 What is a Pharmacopoeia, with the names of any three pharmacopoeias.

### PART – B (2x10=20 Marks)

11 Define Prescription. Explain parts of Prescription with examples and handling of a prescription.
12 Write a note on different methods of preparation of emulsions and stability problems in emulsions.
13 Define Ointments. Write a note on different types of ointment bases with examples for each.

### PART – C (7x5=35 Marks)

14 Write a note on Indian Pharmacopoeia.
15 Explain in brief about errors in prescription.
16 Explain various solubility enhancement techniques.
17 Differentiated Flocculated and deflocculated Suspensions.
18 Write a brief note on Emulsifying agents.
19 Find the concentration of NaCl required to make 1% solution of Boric acid iso-osmotic with blood plasma [Freezing point of 1 % w/v solution of NaCl is is -0.576$^{o}$C and Freezing point of 1% w/v solution of Boric acid is -0.288$^{o}$C].
20 Describe Therapeutics incompatibility and methods to overcome them.
21 Write the mechanism of dermal penetration of drugs.
22 What are Suppositories? What are the different bases used in preparation of Suppositories?