

Bachelor of Pharmacy
Odd Semester Theory Examination 2017-18

Pharmaceutics-I-Theory

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections.

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SECTION - A

1. Attempt all questions in brief. 2 x 10 = 20

- a. Define Pharmacopoeia
- b. What do you mean by dosage form?
- c. What are isotonic solutions?
- d. Name two non aqueous solvents used in liquid dosage forms.
- e. Define elixirs.
- f. Name two emulsifying agents.
- g. What do you mean by Displacement Value?
- h. What is therapeutic incompatibility?
- i. Name two bases used in preparing ointments.
- j. Name two evaluation parameters of semisolid dosage forms.

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SECTION - B

2. Attempt any seven parts of the following: 7 x 5 = 35

- a) Discuss briefly about history of Pharmacy in India.
- b) Define prescription. What are the various parts of prescription?
- c) How many gram of drug is needed to make 5 litres of a 1 in 500 solution?
- d) Calculate the volume of 95% alcohol required to prepare 300ml of 70% alcohol by alligation method
- e) Elaborate on dusting powder as pharmaceutical dosage form.
- f) Write a note on turpentine liniment.
- g) Discuss various tests for identification of emulsions.
- h) Discuss physical incompatibility with suitable examples.
- i) What are the various methods of preparation of creams?

SECTION - C

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3. Attempt any two of the following: 10 x 2 = 20

- a. Define Posology. Discuss various factors affecting posology. Calculate the doses for three children one with age 8 years, second with age 8 months and the third with body weight 15 pounds, if adult dose of a drug is 120 mg.
- b. Define suspension. Discuss their method of preparations. What are the various differences between deflocculated and flocculated suspensions?
- c. Classify semisolid dosage forms. What are the various factors affecting dermal penetration? Discuss the method of preparation of pastes.