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Sub Code: BOP-112

Paper ID: 5038

B.PHARM
(SEM 1) THEORY EXAMINATION 2017-18
PHARMACEUTICS-I

Time: 3 Hours**Total Marks: 100****Note: 1.** Attempt all Sections.**SECTION A****1. Attempt all questions in brief. 2 x 10 = 20**

- a. What is extra Pharmacopoeia?
- b. List the parts of monograph of I.P.
- c. Write the full form and meaning of s.o.s. and o.d.
- d. What are flavouring agents?
- e. Write the Young's Formula.
- f. Define Proof Spirit.
- g. What is the difference between lotions and liniments?
- h. What do you mean by spirits?
- i. Write the principle of fluid energy mill.
- j. What is the difference between simple syrup I.P. and simple syrup USP?

SECTION B**2. Attempt any three of the following: 10 x 3 = 30**

- a. Discuss the scope of Pharmacy profession in different areas.
- b. Define Posology. Write a detailed note on factors affecting dose of a drug.
- c. Discuss in detail sweetening agents and coloring agents.
- d. Discuss the formulation methods of powders.
- e. What is size reduction? Discuss the various laws governing energy requirements for size reduction.

SECTION C**3. Attempt any one part of the following: 10 x 1 = 10**

- (a) Write a note on history of pharmacy in India
- (b) What is prescription? Discuss the parts of a prescription in detail.

4. Attempt any one part of the following: 10 x 1 = 10

- (a) Write a detailed note on co-solvents and preservatives..
- (b) Give the detailed procedure for handling of prescription.

5. Attempt any two parts of the following: 5 x 2 = 10

- (a) Discuss the various formulas for calculating child dose based on age.
- (b) Calculate the real strength of 20° O.P. and 30° U.P.
- (c) Write a note on Isotonicity and its importance.

6. Attempt any two parts of the following: 5 x 2 = 10

- (a) Give the differences between mouthwashes and Gargles.
- (b) Discuss in detail elixirs.
- (c) Write short notes on pastes and ointments.

7. Attempt any two parts of the following: 5 x 2 = 10

- (a) Discuss the various stages of solid-liquid mixing.
- (b) Describe the working and construction of Ball mill.
- (c) What are the factors affecting size reduction.