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Printed pages: 1 **Roll No.** | | | | | | | | | | | **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 x10 = 20

a. What is extra Pharmacopoiea?
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?

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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} O.P. and 30^{o} 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.

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