Sub Code:BOP112

Paper Id: 150122 Roll No:

B. PHARM

(SEM-I) THEORY EXAMINATION 2019-20

PHARMACEUTICS I (GENERAL PHARMACY**)**

Time: 3 Hours ***Total Marks: 100***

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

a.	Define Throat Paint.
b.	What is percentage weight by weight solution?
c.	Define Pharmacopoeia.
d.	What is Bond's Law of size reduction?
e.	Write examples of two preservatives.
f.	Convert 60 %v/v Alcohol into Proof Strength.
g.	What do you mean by s.o.s and q.i.d?
h.	Define mouthwash
i.	Define Sieve number
j.	Give examples of two non official compendia

SECTION B

2. Attempt any *three* of the following: 10x3=30

a.	How was the first I.P published? What are the contents of Indian Pharmacopoeia 2018?
b.	What are the various sources of coloring agents .Discuss their applications.
c.	Define Posology. Discuss various factors effecting dose.
d.	Define Powders. Classify them. What are the various methods of formulation?
e.	Describe principle, construction and working of a Fluid energy mill along with advantages and disadvantages.

SECTION C

3. Attempt any *one* part of the following: 10x1=10

a.	How did Pharmacy originate and develop to its present status.
b.	Write short notes on (i) Extra Pharmacopoeia (ii) International Pharmacopoeia

4. Attempt any *one* part of the following: 10x1=10

a.	What do you mean by prescription? Describe each part of prescription in detail.
b.	What are additives? Describe various sweetening and flavoring agents used in pharmaceuticals.

5. Attempt any *one* part of the following: 10x1=10

a.	(i) Calculate the amount of Sodium chloride required to prepare 400 ml of 1.5% Solution (ii) How many milliliters of a 1: 2000 copper sulphate solution would be needed to make 2000 ml of a 1:4000 solution?
b.	(i) Calculate the volume of 95% alcohol required to prepare 300ml of 70% alcohol by alligation method (ii) Calculate the dose for a child with body surface area of 1.2 m^2, if adult dose is 100mg.

6. Attempt any *one* part of the following: 10x1=10

a.	What are Elixirs? Discuss different methods of preparation of Elixirs along with their labeling requirement.
b.	What are Liniments? Write method of preparation and labeling requirement of turpentine liniment BP.

7. Attempt any *one* part of the following: 10x1=10

a.	What is the importance of mixing in pharmacy? Discuss about equipments used in solid –liquid mixing
b.	Define Size Reduction. What are various mechanisms of size reduction? Discuss various factors affecting size reduction.

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