Sub Code:BP103T

Paper Id: 150103 Roll No:

B. PHARM
(SEM-I) THEORY EXAMINATION 2019-20
PHARMACEUTICS-I

Time: 3 Hours *Total Marks: 75*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.
2. Any special paper specific instruction.

SECTION A

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

a. Define prescription.
b. In which year does the most recent edition of Indian Pharmacopoeiahas been published lately and how many volumes does this latest edition contain?
c. Who is considered as the father of pharmacy education in India?
d. When a solution can be termed as isotonic?
e. Name one anti-microbial preservative and an antioxidant used in liquid dosage forms.
f. What do you mean by the term "Self-Preserving"? Give two examples of self-preserving dosage forms.
g. Define suspension with an example.
h. Define suppository with an example.
i. What is therapeutic incompatibility?
j. Give examples of two ointment bases.

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SECTION B

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

a. Write a detailed note history of Pharmacy in India.
b. Define emulsions. Discuss their methods of preparation, stability problems and methods toovercome these problems.
c. Discuss the mechanisms and factorsinfluencing dermal penetration of drugs.

SECTION C

3. Attempt any *five* parts of the following: 5 x 7 = 35

a. Write a short note on parts of a prescription with a suitable example of a model prescription.
b. Define the term posology. Discuss the various factors affecting Posology.
c. Calculate the amount of 75%, 65%, 45% and 35% alcohol should be mixed to get 55% alcohol using allegation method.
d. Discuss with proper examples effervescent,efflorescent and hygroscopic powders.
e. Write a short note gargles, mouthwashes and throat paints with an example formula for each.
f. How many different types of suppository bases are there? Discuss the different methods for the evaluation ofsuppositories.
g. What is a gel? Discuss the methods for the evaluation of semi soliddosages forms.