Sub Code:BP502T

Paper Id: 150717 Roll No:

B. PHARM
(SEM-V) THEORY EXAMINATION 2019-20
INDUSTRIAL PHARMACY I

Time: 3 Hours *Total Marks: 75*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

a.	Name the type of drug as per BCS classification.
b.	What are the objectives for study of physiochemical characterization of drug substances?
c.	What is crystal bridging during wet granulation?
d.	What are various non Pharmacopoeial test conducted for evaluation of tablets?
e.	Write in brief about IPQC test for capsule.
f.	Draw the labeled diagram of slugging machine.
g.	Amorphous or crystalline drug which will give more stable dosage form and why?
h.	What are WFI and sterile WFI, how they are different?
i.	What is vapour tap and how it is significant?
j.	Name all types of glass used in pharmaceutical packaging.

SECTION B

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

a.	What are various defects in tablets and how they may be rectified, explain in detail?
b.	How hard gelatin capsules shells are filled. Discuss about equipments used and principle for hard gelatin capsule filling.
c.	What are selection criteria for containers and closures for parenteral how you will do cleaning of containers and closures?

SECTION C

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

a.	What are various aims and objectives for preformulation, and how to proceed for preformulation?
b.	Write note on physics of tablet.
c.	How to evaluate suspension explain?
d.	Write various advantages and disadvantages for parenteral products.
e.	How particle size of drug may affect development of stable dosage form?
f.	How will you formulate tooth paste, explain and give preparation method for the same.
g.	What are various parts of aerosol valve explain with diagram?

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