

Roll No.

Sub Code: BP502T

B PHARM (SEM-V)
THEORY EXAMINATION 2021-22
FORMULATIVE PHARMACY

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections.

SECTION A

Very Short Answer (Attempt all questions)

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
- 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

Short Answer (Attempt any 5 questions)

5 x 7 = 35

- a. What are various aim, objectives and procedure 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?

SECTION C

Long Answer (Attempt any 2 questions)

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?