

M.Sc.(Chem.) Semester - 4 (CBCS) Examination
Oct/Nov -2020 [NEW COURSE]
Pharmaceutical Technology (Core)

Time: 2:00 Hours

Marks: 56

Instructions:

1. Figures to the right indicate marks.
2. There are five questions in the question paper.
3. Answer any four of the following questions.

Q1 (A) Answer the following questions	04 Marks
1 Enlist bulk properties of powder	2
2 Define the term: (i) Powder (ii) Porosity	2
Q1 (B) Answer any two questions out of three	10 Marks
1 Give an account of size reduction of powder.	5
2 Write a note on Lyophilisation technique for powder preparation.	5
3 Briefly explain various methods to determine size of powder.	5
Q2 (A) Answer the following questions	04 Marks
1 Define Syrup and explain preparation of simple syrup.	2
2 Explain the basic difference between Emulsion and Suspension.	2
Q2 (B) Answer any two questions out of three	10 Marks
1 Explain types of water used pharmaceutical manufacturing and formulation.	5
2 Explain the Advantage and Disadvantages of Oral Liquids.	5
3 Explain the importance of Alcohol as solvent in various oral liquid dosage forms.	5
Q3 (A) Answer the following questions	04 Marks
1 Define the terms Tablet and enlist types of tablets.	2
2 Write objective of enteric coating and give examples of enteric film formers.	2
Q3 (B) Answer any two questions out of three	10 Marks
1 Give brief detail for following types of Tablets (i) Effervescent Tablets, (ii) Layered Tablets, (iii) Dispensing Tablets, (iv) Tablets for Solution, (v) Chewable tablets.	5
2 Write a note on Dry Granulation method.	5
3 Discuss various tools for the evaluation of tablets.	5
Q4 (A) Answer the following questions	04 Marks
1 What is Bloom Strength?	2
2 Define & Explain: Soft gelatin capsule.	2
Q4 (B) Answer any two questions out of three	10 Marks
1 What is Capsule? Give advantages and Disadvantages of Capsule.	5
2 Explain various components of the soft gelatin capsule shell.	5
3 Give detail note on Production of Hard gelatin Capsule.	5
Q5 (A) Answer the following questions	04 Marks
1 Define and explain: Propellants.	2
2 Give definition of humectants with suitable example.	2
Q5 (B) Answer any two questions out of three	10 Marks
1 Name the various excipients used in oral formulation and discuss ideal properties of excipients.	5
2 Explain classification of excipients with examples.	5
3 Discuss the role of Binders and Disintegrants in oral solid formulations.	5
