Enrollment No: _____ Exam Seat No:_____

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name : Industrial Pharmacy I - Theory

Subject Code : BP502T **Branch: B.Pharm**

Semester: 5 **Date: 22/11/2022** **Time: 02:30 To 05:30** **Marks: 75**

Instructions:

(1) Use of Programmable calculator & any other electronic instrument is prohibited.
(2) Instructions written on main answer book are strictly to be obeyed.
(3) Draw neat diagrams and figures (if necessary) at right places.
(4) Assume suitable data if needed.

Q-1 **Attempt the following questions:** **(20)**

a) Mottling
b) Polymorphism
c) Orange peel effect
d) Bloom strength
e) Meter dose inhalator
f) Vanishing cream
g) Child resistant packaging
h) Capping
i) Aerosols
j) Lyophilization

Q-2		**Attempt any two of following :**	**(20)**
	A	Discuss Pharmacopoeial tests for tablets in detail.	**10**
	B	Explain the sources of pyrogens in parenterals. Discuss pyrogen test for parenteral products.	**10**
	C	What is Pelletization? Explain the various pelletization techniques.	**10**
Q-3		**Attempt any Seven of following :**	**(35)**
	A	What is BCS? Classify it and write its significance.	**5**
	B	Discuss Oxidation and Hydrolysis in preformulation.	**5**
	C	Write difference between hard gelatin capsules and soft gelatin capsules.	**5**
	D	Write a note on excipients used in manufacturing of liquid orals.	**5**
	E	Explain the various parts of Aerosol.	**5**
	F	Write in brief note on formulation of ophthalmic dosage form	**5**
	G	Describe the granulation methods for preparation of tablets.	**5**
	H	Write short note on formulation, manufacturing and evaluation of shampoos	**5**
	I	Define preformulation and discuss the significance of particle size in formulation.	**5**