Enrollment No: _____ Exam Seat No:_____

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name : Industrial Pharmacy I - Theory

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

Semester : 5 **Date : 26/02/2020** **Time : 10:30 To 01:30** **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)	Enlist derived properties of powder.	2
b)	Give four examples of directly compressible diluents.	2
c)	Enlist identification test for emulsion.	2
d)	Preservatives are not require in syrup formulation. Why?	2
e)	Write various types of glass used in parenteral formulation.	2
f)	Give the components of Aerosol container.	2
g)	Enlist different BCS classes.	2
h)	Enlist various quality control test for tablet.	2
i)	Define bloom strength with respect to soft gelatin capsule.	2
j)	Give the four names of propellant used in Aerosol formulation.	2

Attempt the following questions:

Q-2 **Attempt any two of following :** **(20)**

A	Give the detailed classification of tablets and discuss in detail defects of tablet.	**10**
B	Write in detail about aerosol container and aerosol components.	**10**
C	Discuss in detail about formulation of parenteral with suitable examples.	**10**

Q-3 **Attempt any Seven of following :** **(35)**

A	Write the differences between hard gelatin and soft gelatin capsule.	**5**
B	Explain in detail derived properties of powder.	**5**
C	Define emulsion and discuss methods for preparation of emulsion.	**5**
D	Write about containers used in ophthalmic formulation.	**5**
E	Write about formulation of shampoo.	**5**
F	Write short note on packaging of pharmaceutical product.	**5**
G	Write short notes on pelletization.	**5**
H	Discuss solubility with respect to preformulation.	**5**
I	Write in nutshell about soft gelatin capsule.	**5**