C.U.SHAH UNIVERSITY
Summer Examination-2022

Subject Name: Dispensing Pharmacy - I
Subject Code: 4PS06DPH1   **Branch: B.Pharm**
Semester: 6   **Date: 04/05/2022**   **Time: 02:30 To 05:30**   **Marks: 70**
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   **Define the following:**   **(14)**

a)	Prescription	01
b)	Posology	01
c)	Proof spirit	01
d)	Isotonic solutions	01
e)	Displacement value	01
f)	Incompatibility	01
g)	Surface active agents	01
h)	Mixtures	01
i)	Emulsion	01
j)	Solutions	01
k)	Powders	01
l)	Ointment	01
m)	Suppository	01
n)	Inhalation	01

Attempt any four questions from Q-2 to Q-8

Q-2		**Attempt all questions**	**(14)**
	a)	Discuss various formulas for Pediatric dose calculation.	**07**
	b)	Explain the parts of prescription with example	**07**

Q-3		**Attempt all questions**	**(14)**
	a)	Discuss the various factors affecting Posology.	**07**
	b)	Describe the handling of prescription.	**07**

Q-4		**Attempt all questions**	**(14)**
	a)	Explain various labeling requirements of dispensed products.	**07**
	b)	Write a detail note on: liquid mixtures.	**07**

Q-5			**(14)**
	a)	Write a detail note on Inhalations.	**07**
	b)	Explain different types of Ointment Bases	**07**

Q-6			**(14)**
	a)	Explain physical incompatibilities with examples.	**07**
	b)	Find out the amount of sodium chloride to prepare 20 ml 5 % w/v solution of sulphacetamide solution isotonic with the tears. Freezing point depression of 1 % sulphacetamide = -0.132 ^{0}C Freezing point depression of 1 % sodium chloride = -0.58 ^{0}C	**07**

Q-7			**(14)**
	a)	Write a note on effervescent Powders/Granules.	**07**
	b)	Explain different types of Suppository Bases.	**07**

Q-8			**(14)**
	a)	Explain Therapeutic incompatibilities with examples.	**07**
	b)	A manufacturing pharmacist has four lots of ointment, containing 50%, 25%, 10%, and 5%. How many grams of each may be used to prepare 4800 gm of 20% ointment?	**07**