	Sanjay Ghodawat University, Kolhapur **EstablishedasStatePrivateUniversityunderGovt.ofMaharashtra.ActNoXL,2017**	2020-20 EXM/P/09/00

Year and Program – F. Y. D. Pharm. 2020-21.	School of Pharmaceutical Sciences	Department - Pharmacy
Course Code – DP101T	Course Title – Pharmaceutics-I	PART-I
Date:09.08.2021 Day:Monday	Examination: Annual Pattern	MaxMarks:50 Time:2hrs

Instructions 1. All the questions are compulsory.
2. Draw the diagram wherever necessary.

			Marks	Bloom'sLevel	CO
Q.1		Short answer question. Answer any Six out of Eight (2 x 6)	**12**		
	a	Define following term syrup and cream.	02	L1	CO1
	b	What are Pharmacopoeia and why they are needed?	02	L1	CO1
	c	Enlist the four methods of size reduction.	02	L1	CO2
	d	Enlist the method used for size separation.	02	L1	CO2
	e	Enlist the list of equipment used for mixing of semisolids.	02	L1	CO2
	f	Explain the term araka and svarasas	02	L1	CO1
	g	Define filter aid. List the qualities of filter aid	02	L1	CO2
	h	Name the various types of closures.	02	L1	CO3
Q.2		Explain with suitable diagram, flow chart and Reaction. Answer any Three out of Five (3x3)	**09**		
	a	Differentiate between simple and modified maceration with example	03	L4	CO4
	b	Describe the principle, construction and working of ball mill	03	L2	CO2
	c	Explain the construction and working of Silverson mixer homogenizer	03	L2	CO2
	d	Illustrate the principle of the freeze drying. Give its advantages.	03	L3	CO2
	e	Define and classify Tablet	03	L1	CO1

Q.3		Illustrate following with suitable example. Answer any Three out of Five (3x3)	**09**		
	a	Explain the construction and working of meta filter	03	L2	CO2
	b	Classify the dosage form	03	L2	CO1
	c	Discuss the advantages and disadvantages of plastics as material for container.	03	L2	CO3
	d	Illustrate the factor affecting on size reduction	03	L3	CO2
	e	Describe the construction and working of evaporating pan with neat diagram.	03	L2	CO2
Q.4		Write a short note on following Answer any Two out of Three (3x2)	**06**		
	a	Explain in brief about the gases sterilization	03	L2	CO2
	b	Define and classify immunological Product.	03	L2	CO2
	c	Illustrate the procedure for “water for injection” on laboratory scale.	03	L3	CO4
Q.5		Discuss the following Answer any Two out of Three (3x2)	**06**		
	a	Illustrate factors affecting on rate of drying	03	L3	CO2
	b	Differentiate between hard gelatin capsule and soft gelatin capsule.	03	L4	CO4
	c	With the help of well labeled diagram explain construction and working of “HOT AIR OVEN”	03	L2	CO2
Q6.		Long answer questions Answer any Two out of Four (4x2)	**08**		
	a	Illustrate disintegration test for tablet evaluation.	04	L3	CO4
	b	Calculate the quantity of potassium permanganate require to prepare 1 pint of 1 in 600 solution	04	L4	CO2
	c	Describe the method of preparation of small pox vaccine using egg	04	L2	CO4
	d	Discuss the excipients used in filling of capsules.	04	L2	CO3