R16

Code No: PHR16211

SET - 1

II B. Pharmacy I Semester Supplementary Examinations, Oct/Nov - 2020 PHARMACEUTICAL UNIT OPERATIONS-I

Time: 3 hours Max. Marks: 70

Note: 1. Question paper consists of two parts (Part-A and Part-B)

2. Answering the question in **Part-A** is Compulsory

3. Answer any FOUR Questions from Part-B

PART -A

1.	a)	What is pressure head how it is calculated?	(2M)
	b)	Differentiate fans and blowers.	(2M)
	c)	Differentiate filtration and clarification.	(2M)
	d)	Write the applications of crystallization.	(2M)
	e)	Define relative humidity and humidity.	(2M)
	f)	What is corrosion? List types of corrosion?	(2M)
	g)	What is industrial dermatitis?	(2M)
		PART-B PART-B	
2.	a)	Describe the Reynolds experiment.	(7M)
	b)	Discuss the construction and working of Rotameter.	(7M)
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3.		Write a detailed note on design, working of belt conveyor Give its pharmaceutical applications?	(14M)
4.	a)	Explain the design, working applications of Rotary filter.	(10M)
	b)	Write a note on filter media. upiqpbank.com	(4M)
5.	a)	Describe the construction and working of agitated tank crystallizer.	(9M)
	b)	Explain material and heat balance in crystallization.	(5M)
6.	a)	Explain method of measure of humidity.	(7M)
	b)	Discuss principle of refrigeration?	(7M)
7.		Write a note on (i) Glass as a material (ii) Electric hazards	(14M)