

CODE NO: 1171

FACULTY

B. Pharmacy 2/4 I Semester (Suppl) Examination, April 2018

Subject: Pharmaceutical Enineerin

Time: 3 Hrs Max. Marks: 70

		Note: Answer All Questions. All Questions carry Equal Marks.	
1.	a)	Discuss the factors to be considered in the selection of materials for pharmaceutical plant construction. OR	al 14
	b)	ive an accnt of the role of ferrs metals and their alloys as materials of plant construction.	14
2)		What are manometers? Derive an equation used to measure pressure difference usin differential manometers. Write a note on	7
	-,	Shell and tube Heat exchaner. OR	
		Describe the construction and workin of Disc meter and current meter. What are steam traps? Describe any one in detail.	7 7
3)	a)	What is the principle of pneumatic conveyin? Describe the construction and workin of it.	14
	b)	Classify centrifual pumps and explain their characteristic features. Write applications advantae and limitations of centrifual pumps.	14
4)	,	Define the followin i) Absolute Humidity ii) Relative Humidity iii) Dew Point Describe a refrieration system usin compressor with a neat labeled diaram	6 8
	c)	Write a note on i) Brine system ii) Refrieration lo ad.	7
	d)	Describe the methods employed for Dehumidification of air. Explain the sinificance of dehumidification in pharmacy.	7
5)	,	What are ede filters? Describe any one in detail. Write a note on i) Laboratory centrifues ii) Vertical Solid bowl centrifue.	3+4 7
	c)	OR Describe the desin, workin and applications of horizontal centrifue.	7
	d)	Write a note on membrane filters.	7