PARUL UNIVERSITY FACULY OF PHARMACY M.Pharm., Summer 2017-18 Examination

Sub	M.Pharm., Summer 2017-18 Examination ester: 2 ject Code: MPC204T ject Name: Pharmaceutical Process Chemistry	Date: 22-05-2018 Time: 10:00AM to 01:00PM Total Marks: 75
Inst 1. Fi	ructions: gures to the right indicate maximum marks. [ake suitable assumptions wherever necessary.	
Q.1	Essay Type Questions. (any 2 out of 3) (15 Marks Each)	(30)
1.	Describe Impurities in API, types and their sources including genotoxic i	mpurities?
2.	Describe Principle and general methods of Preparation of polymorphs?	
3.	Describe in detail MSDS (Material Safety Data Sheet)?	
Q.2	Short Essay Type Questions. (any 5 out of 6) (5 Marks Each)	(25)
1.	Write in brief families of reagents useful for scale-up?	
2.	Define Personal Protection Equipment (PPE)?	
3.	Write in brief fermentation. Production of Vitamins B12?	
4.	Describe catalytic halogenations?	
5.	Write types of oxidative reactions?	
6.	Write in brief Theory of filtration?	
Q.3	Short Answers. (2 Marks Each)?	(20)
1.	Give 2 factors which affecting evaporation?	
2.	Define amorphous APIs?	
3.	Differentiate Bench, pilot scale process?	
4.	Difference between Aerobic and anaerobic fermentation?	
5.	Write full form of (OHSAS-1800)?	
6.	Describe ISO-14001?	
7.	Write full form of MSDS?	
8.	Write full form of (PPE)?	
9.	Define ozonolysis?	
10.	Give name of equipment used for technical nitration process?	