www.FirstRanker.com www.FirstRanker.com

Seat No.: _____ Enrolment No.____

CHIARAT TECHNOLOGICAL UNIVERSITY

B.PHARM – SEMESTER – 7- EXAMINATION –WINTER - 2018				
Subj Tim	ject Ne: 10 uction 1. 2.	Name: Instrumental and Process Validation 0:30 AM TO 01:30 PM To	te: 28/11/2018 tal Marks: 80	
Q.1	(a) (b) (c)	Explain validation of manufacturing process for sterile products Discuss performance qualification for validation of Autoclave. Explain cleansing validation methods used in pharmaceutical fo industry.	uss performance qualification for validation of Autoclave. ain cleansing validation methods used in pharmaceutical formulation	
Q.2	(a) (b) (c)	Describe Validation Master Plan and its content. Describe validation of wet granulation process and powder miximanufacturing. Discuss scope, types and advantages of validation.	of wet granulation process and powder mixing for tablet 05	
Q.3	(a) (b) (c)	What is Process validation? Describe different types of Process their advantages. Write a note on HPTLC. Define the following terms. i) Column resolution, ii) Plate number, iii) Plate height, iv) Sele v) Capacity factor.	0	
Q.4	(a) (b) (c)	Differentiate i) HPLC and HPTLC ii) HPLC and GC. What is hyphenated technique? Write note on LC-MS. Enlist the detectors used in GC. Explain FID in detail.	0 0 0	
Q.5	(a) (b) (c)	How many types of biological fluid samples extraction method? brief about all method. Describe instrumentation for Gas chromatography. Describe flow injection analysis.	-	
Q. 6	(a) (b) (c)	Describe validation of HPLC system. Enlist detectors used in HPLC. Explain solute property detector. Write note on laboratory automation. 0		
Q.7	(a) (b) (c)	Describe system suitability parameter and explain its significant method development. How we can validate the bio analytical HPLC method? Discuss column and column packing material used in GC.	ce in HPLC 0 0 0	
