PCO-MPG104T

Exam Date & Time: 14-Mar-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

Industrial Pharmacognostical Technology [PCO-MPG104T]

Marks: 75

Duration: 180 mins.

(5)

SECTION - A

Answer all the questions.

Answer the following (10 marks $x = 50$ mar	·ks)
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1)	Elaborate on GMP with its objectives and discuss its various elements.	(10)		
2)	Compare and contrast the clinical trial phases with their applicability to ASU medicines as per AYUSH guidelines.	(10)		
3)	Give the design and layout for the manufacturing of herbal medicines of the following; A] Tablets and Capsules B] Liquid orals	(10)		
4)	Give the criteria for granting a patent and explain various steps involved in filing a patent in India.	(10)		
5)	Define and discuss steps involved in the determination of bitterness value as per the WHO guidelines and its applicability.	(10)		
	SECTION - B			
Answer all the questions.				
Answer the following (5 marks $x = 25$ marks)				
6)	Trade secrets	(5)		

Determination of Ash values

7)

3/14/22, 11:28 AM	PCO-MPG104T	
8)	Scale-up technique with its objectives and its industrial examples	(5)
9)	Stability testing of natural products with respect to Storage conditions and Testing frequency	(5)
10)	Criteria for selection of the herbal industrial project	(5)
End		