

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VII (OLD) • EXAMINATION - WINTER 2017

Subject Code: 173606 Date: 07/11/17 Subject Name: Medicinal Chemistry-II & Technology of Sterile Products			
	tructio	0:30 AM TO 01:00 PM Total Marks: Ons: Attempt all questions. Make suitable assumptions wherever necessary.	70
		Figures to the right indicate full marks.	
Q.1	(a) (b)	Classify ophthalmic products with examples Write one synthetic method of preparation of Riboflavin	07
Q.2	(a) (b)	Enlist and explain in detail formulation components of parenterals How is Pantothenic acid prepared synthetically? Discuss its deficiency and uses OR	07
	(b)	Write short notes on Vit-K, Vit-E and Vit-D	07
Q.3	(a) (b)	Draw a neat labeled diagram of the parenteral manufacturing facility. Describe Pyrethroids? List their uses and draw the structures of three commercial pyrethroids.	07
		OR	
Q.3	(a) (b)	Write a brief note on preformulation of the parenterals Discuss various kinds of Pheromones in detail.	07
Q.4	(a)	Describe four reactions catalyzed by the two enzymes in which Riboflavin is the central component.	07
	(b)	Illustrate the synthesis of Dipyrrylmethane intermediates of Chlorophyll A OR	07
Q.4	(a) (b)	What are Eicosonoids? Illustrate the biosynthetic pathway for their synthesis? (1). Give three examples of pheromones showing the relationship between stereochemistry and activity.	07 04
		(2) How do Haemoglobin and Chlorophyll compare with each other? Bring out the major differences.	03
Q.5	(a)	Define pharmaceutical product stability and write a note on stability.	07
	(b)	Define ophthalmic products and explain in detail its formulation composition OR	07
Q.5	(a)	What are parenterals? Give the advantages and disadvantages.	07
	(b)	Explain in detail quality control tests of parenterals	07

