Dem VI cosas Pharmauentie III

March 2015

Q.P. Code: 21951

(3 Hours)

[Total Marks: 70

N		 All questions are compulsory. Figures to the right indicate full marks. Draw neat labelled diagrams wherever necessary. 	
1.	(a) (b) (c) (d) (e)	Define tablets. Give the advantages and disadvantages of tablets. What is the need for coating of tablets? Describe the various defects in Hard Gelatin Capsule shells. What are two phase and three phase aerosol systems? What are orodispersible tablets? How do they differ from soluble tablets?	3 3 3 3
2.	(a)	Enlist official quality control tests for tablets and differentiate between 'content of active ingredient' and 'uniformity of content' tests. Explain blister packaging.	4
	(b) (c)	Describe the formulation of dispersion type of product concentrate of aerosols.	3
3.	(a)	What are the defects observed in sugar coating of tablets? Suggest remedies for the same.	4
	(b) (c)	Discuss the different types of gelatin used in capsules. Enlist the materials used for construction of aerosol containers. Describe any two in detail.	2 5
4.	(a) (b) (c)	With the help of a diagram describe the working of a rotary tablet press. Write a note on fill formulation for soft gelatin capsules. List the quality control tests on aerosols. Describe any two.	4 4 3
5.	(a) (b)	Describe in detail the process variables and efficiency parameters for	2
	(c)	perforated pan coating. Describe the steps involved in hard gelatin capsule filling machine based on the principle of direct filling.	6
6.	(a)	Write a note on various granulation techniques and describe rapid mixer granulator.	5
	(b) (c)	Describe development and optimization of film coating of tablets. Draw a layout for a typical capsule manufacturing facility.	4.