Q.P. Code :18079

(Time: 3 Hrs) Total Marks-80

Please check whether you have got the right question paper.

NB:	(1) Question No.1 is compulsory(2) Attempt any 3 questions out of remaining 5 questions(3) Draw diagrams wherever necessary		
Q.1	Write general principles of the following techniques	20	
	a. Rate zonal Centrifugationb. Isoelectric focussingc. Ion exchange Chromatographyd. Spectroscopy		
Q.2	a. Write about the technique of affinity chromatography in detail and write its applications.	10	
	b. Explain gas chromatography technique in detail	10	
Q. 3	a. write about the technique and applications of two dimensional electrophoresis.	10	
	b. Explain SDS – PAGE Electrophoresis in detail	10	
Q.4	a. Explain Autoradiography and write its applications.	10	
	b. Discuss in detail any two methods for measuring radioactivity	10	
Q.5	a. Write a note on types of centrifuges	10	
	b. Write a note on immunoelectrophoresis		10
Q.6.	a. Discuss differential centrifugation in detail	10	
	b. What do you mean by UV-Vis spectroscopy? Explain the principle and instrumentation.	10	
