Sl.No. M21618 Course Code: 3200302

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM (Deemed to be University)

Pharm.D DEGREE EXAMINATION - July 2019 Third Year

PHARMACEUTICAL ANALYSIS	
Time: Three hours	Maximum: 70 marks
I. Write essays on any TWO questions:	$(2 \times 15 = 30)$
 a) What are the different types of ion exchange chromatography. b) What are the basic components of a HPTL advantages and application of HPTLC in part and application of HPTLC in part and application of the principle and application of the principle and type amperometric titration. 	(10) LC instrument? Explain the charmacy. (5) (5) various components of (10) applications of (10)
II. Write short answers on any SIX questions:	$(6 \times 5 = 30)$
 4. Explain the sample handling in IR spectrosco 5. Describe the ICH guidelines in details. 6. What is Quenching? Write about the difference 7. Explain the ions procedure in mass spectrom 8. Explain about Braggs x- ray diffraction. 9. Describe the construction of Holloe cathode 10. Describe the DSC and its application. 11. What is electrode potential? Write about reference 	nt types of Quenching. netry. lamp.
III. Write short notes on any FIVE question:	$(5 \times 2 = 10)$
12. Base peak.13. Cell constant.14. SCOT and WCOT column.15. TOM.	

16. Diffusion current.17. Nernst - glower.