Seat No.:	Enrolment No.
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## **GUJARAT TECHNOLOGICAL UNIVERSITY**

M. Pharm. - SEMESTER - II • EXAMINATION - WINTER • 2014

Subject Code: 2920205  Subject Name: Advances in Pharmaceutical Sciences Time: 10:30 am - 01:30 pm  Instructions:  Date: 26-12-2014  Total Marks: 80			
	1. 2.	Attempt any five questions.  Make suitable assumptions wherever necessary.  Figures to the right indicate full marks.	
Q.1	(a) (b) (c)	Discuss application of various chromatographic techniques used for phytochemical screening. Write a note on pesticides. Discuss anti-lipidemic drugs from natural source.	06 05 05
Q.2	(a) (b) (c)	Write a note on immunomodulatory drugs from natural source. Discuss flavanoids as anti-AIDS agents. Enumerate the herbs with their sources used as functional food.	06 05 05
Q.3	(a) (b) (c)	Enlist the antimalarials obtained from plant sources and explain any one in detail.	
Q.4	(a) (b) (c)	Give tests for saponins. Write about hemolytic index and froth index.  Write chemical tests for identification of tropane, xanthine and indole alkaloids.	
Q.5	(a) (b) (c)	Write a note on anti-oxidant drugs from natural source.  What are urolithetics? Explain it with suitable example.  Describe methods for pharmacological screening of Hepatoprotective drugs.	
Q. 6	(a) (b) (c)	Describe methods for pharmacological screening of Anti-inflammatory drugs. Write note on Anticancer from natural sources. Write a note on <i>Silybum marianum</i> .	06 05 05
Q.7	(a) (b) (c)	Write a note on Camptotheca alkaloids and their derivatives. Write a note on bryostatins and flavoparidol. Describe essential structural features of cardenolides for cardio tonic activity.	06 05 05

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