Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharmacy Sem-II Remedial Examination December 2010

Subject code: 920205

Subject Name: Advances in Pharmaceutical Science.

Date: 20 /12 /2010 **Time: 10.30 am – 01.30 pm**

Total Marks: 80

Instructions:

1. **Attempt any five questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	(a)	What are Nutraceuticals and functional food?	**05**
	(b)	Classify natural pesticides with examples.	**05**
	(c)	Mention the naturally occurring anti-oxidants with their sources and mechanism of actions.	**06**
Q.2	(a)	Discuss application of various chromatographic techniques used for phytochemical screening.	**06**
	(b)	Write note on Anticancer from natural sources.	**05**
	(c)	Describe methods for pharmacological screening of Anti-inflammatory drugs.	**05**
Q.3	(a)	Discuss flavanoids as anti-AIDS agents.	**05**
	(b)	Enumerate the herbs with their sources used as functional food.	**05**
	(c)	Explain Pyrethrum and Neem as insecticides.	**06**
Q.4	(a)	Discuss garlic and trigonella as hypolipidemic drugs.	**06**
	(b)	Write novel drugs used as Anti-ulcer with one screening model.	**05**
	(c)	Define Pest and write brief account on pest management	**05**
Q.5	(a)	Enlist the antimalarials obtained from plant sources and explain any one in detail.	**06**
	(b)	Describe the mechanism of action of antimalarial drugs.	**05**
	(c)	What are urolithetics? Explain it with suitable example.	**05**
Q. 6	(a)	Describe methods for pharmacological screening of Hepatoprotective drugs.	**06**
	(b)	Discuss natural diuretics with their utility.	**05**
	(c)	Write brief note on Natural Brain tonic.	**05**
Q. 7	(a)	How will you evaluate Antidiabetic activity of crude drugs?	**05**
	(b)	Describe essential structural features of cardenolides for cardio tonic activity.	**05**
	(c)	Write chemical tests for the followings (1) Flavanoids. (2) Steroids. (3) Phenolic compounds.	**06**

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