

GUJARAT TECHNOLOGICAL UNIVERSITY
M.PHARM - SEMESTER-2 EXAMINATION – SUMMER-2019

Subject Code: MPG202T**Date: 29/05/2019****Subject Name: Advanced Pharmacognosy-II****Time: 10:30 AM TO 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)	Write introductory note on efficacy of herbal medicines products.	06
	(b)	Write pharmacokinetic issues pertains to Herbal products.	05
	(c)	Discuss validation of herbal therapies.	05
Q.2	(a)	Enumerate possible methods for adulteration of plant drugs. Explain any two methods illustrating suitable examples.	06
	(b)	Enumerate DNA finger printing techniques in identification of drugs of natural origin. Explain any one of them.	05
	(c)	What are the importance and detection methods for heavy metals in medicinal plant materials ?	05
Q.3	(a)	Explain ethnobotanical approach to drug discovery.	06
	(b)	Write in brief bio-processing tools for drug discovery.	05
	(c)	Write short notes on Reverse Pharmacology.	05
Q.4	(a)	Prepare analytical profile of <i>Curcuma longa</i> .	06
	(b)	Write estimation of phytomarker in <i>Andrographis paniculatus</i>	05
	(c)	Write in brief on evaluation of <i>Boswellia serrata extract</i> .	05
Q.5	(a)	Explain OECD guide lines for acute oral toxicity	06
	(b)	Give concise review the plants having antidiabetics activity.	05
	(c)	Write various in-vivo models used for evaluation of anti-inflammatory activity.	05
Q. 6	(a)	Write a note on Phytotoxin ^{of}	06
	(b)	Briefly write determination ^{of} Pesticide residue in plant drugs ^{plant drugs} .	05
	(c)	Write possible sources of microbial contamination in herbs and their formulation and its limits	05
Q.7	(a)	Write in-vitro evaluation techniques for anti-oxidants plant drugs.	06
	(b)	Write in-vivo evaluation techniques for anti-fertility plant drugs.	05
	(c)	Write in-vivo evaluation techniques for Hepatoprotective plant drugs.	05
