Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm - SEMESTER-5 • EXAMINATION - SUMMER -2020

Subject Code: BP503TP Date: 28-10)-2020
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Subject Name: Pharmacognosy and Phytochemistry II

Time: 2:30 PM TO 5:30 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 a short note on Radioactive isotopes in the investigation of Biogenetic studies.	06
	(b) (c)	Describe about Shikimic acid pathway. Write a note on Acetate mevalonate pathway.	05 05
Q.2	(a) (b) (c)	Give detail note on pharmacognosy on Senna. What are different sources of Aloe? Explain their method of preparation. Draw a well labeled morphology and microscopical diagram (T.S) of Fennel.	06 05 05
Q.3	(a) (b) (c)	Differentiate between Black catechu and Pale catechu. Give detail note on anti-cancer drug. Write biological source, family, chemical constituents and uses of Taxus and Gentian.	06 05 05
Q.4	(a) (b) (c)	Enlist modern methods of extraction. Describe electrophoresis in the detail. Describe steam distillation method with well labeled diagram. Write a short note on Narcotic preparation of Opium.	06 05 05
Q.5	(a) (b) (c)	Write on sources, isolation and identification of Curcumin. Brief note on estimation and utilization of Sennoside. Write on industrial production and estimation of Caffeine.	06 05 05
Q. 6	(a) (b) (c)	Write on sources, isolation and identification of Rutin. Brief note on estimation and utilization of Digoxin. Describe in detail on production and estimation of Vincristine.	06 05 05
Q.7	(a) (b) (c)	Write on sources, isolation and identification of Quinine. Define Resins. Write a short note on Ginger. Write biological source, family, chemical constituents and uses of Benzoin and clove.	06 05 05
