

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM - SEMESTER- 3 EXAMINATION – SUMMER -2019**

**Subject Code: 230006****Date: 28-05-2019****Subject Name: Pharmacognosy - II****Time: 02:30 PM TO 05:30 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) | Define Resins. Give classification of resins giving examples.                    | 06 |
|     | (b) | What is Resene? Explain in brief giving example.                                 | 05 |
|     | (c) | Write Botanical source, Chemical constituents and uses of Asafoetida.            | 05 |
| Q.2 | (a) | Define Tannins and give its properties.  | 06 |
|     | (b) | Write a comparative study on Condensed and Hydrolysable tannins.                 | 05 |
|     | (c) | Mention various differentiating points between Pale catechu and Black catechu.   | 05 |
| Q.3 | (a) | Define and write properties of Volatile oil.                                     | 06 |
|     | (b) | Give different methods for isolation of Volatile oils. Explain any one in brief. | 05 |
|     | (c) | Write morphology of Dill fruit. Write method for isolation of Dill oil.          | 05 |
| Q.4 | (a) | Explain method for preparation of extracts.                                      | 06 |
|     | (b) | Give various screening method for identification of tannins in plant extracts.   | 05 |
|     | (c) | Enlist various fibres used in pharmacy. Describe about Nylon.                    | 05 |
| Q.5 | (a) | Write method for preparation of Adsorbent cotton.                                | 06 |
|     | (b) | Write source and uses of Silk fibres.  | 05 |
|     | (c) | Give a detailed study of Cinnamon bark microscopy.                               | 05 |
| Q.6 | (a) | Write a short note on Pharmaceutical aids. Write in brief about Diatomite.       | 06 |
|     | (b) | Write about morphology of Clove.   | 05 |
|     | (c) | Give botanical source, chemical constituents and uses of Sandal wood.            | 05 |
| Q.7 | (a) | Draw microscopy of Coriander fruit.  | 06 |
|     | (b) | Write botanical source, chemical constituents and uses of Jalap.                 | 05 |
|     | (c) | Give a short note on Wool fibre.   | 05 |

\*\*\*\*\*