

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm – SEMESTER VII • EXAMINATION – WINTER-2016

Subject Code: 2270005

Date: 25/11/2016

Subject Name: Pharmacognosy - V

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.

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| Q.1 | (a) | Write in detail about biogenesis via shikimic acid pathway. | 06 |
| | (b) | Write in detail about acetate mevalonate pathway. | 05 |
| | (c) | Write in detail about biosynthesis of Omega-3 fatty acid. | 05 |
| Q.2 | (a) | Give detail information of crude drugs used in the treatment of inflammatory diseases. | 06 |
| | (b) | Write a short note on photosensitizing agent. | 05 |
| | (c) | Write detail pharmacognosy of Mucuna. | 05 |
| Q.3 | (a) | Describe different types of natural allergens with their effects. | 06 |
| | (b) | Write a note on plant sources used as pesticides and herbicides. | 05 |
| | (c) | Explain the different methods of pest control. | 05 |
| Q.4 | (a) | Give detail information of crude drug useful as a brain tonic. | 06 |
| | (b) | Write in details the microscopy of Nagod leaf. | 05 |
| | (c) | Write in detail about fungal toxins. | 05 |
| Q.5 | (a) | Define and classify the Nutraceuticals. | 06 |
| | (b) | Discuss role of prebiotics and probiotics as neutraceuticals. | 05 |
| | (c) | Write in detail about Dhatakpushpa. | 05 |
| Q. 6 | (a) | Write a note on method of preparation of Asava and Arishta. Discuss the parameters for evaluation of these Ayurvedic formulations. | 06 |
| | (b) | Discuss in details about preparation and standardization of Bhasmas and Pisti. | 05 |
| | (c) | Write a note on principles of Ayurvedic and Homeopathic systems of medicines. | 05 |
| Q.7 | (a) | Classify and discuss non-saccharide sweeteners of plant origin. | 06 |
| | (b) | Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for hair care cosmetics. | 05 |
| | (c) | Write in detail about biosynthesis of ephedrine. | 05 |
