

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm SEMESTER-VII • EXAMINATION – SUMMER-2016

Subject Code: 2270005

Date: 11/05/2016

Subject Name: Pharmacognosy-V

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.

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|-------------|---|-----------|
| Q.1 | (a) Write a note on Shikimic acid pathway. | 06 |
| | (b) Write a note on Acetate mevalonate pathway. | 05 |
| | (c) Give the detailed note on plant sweetening agents. | 05 |
| Q.2 | (a) Write a note on Hogweed. | 06 |
| | (b) Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for skin cosmetics. | 05 |
| | (c) Write in details the microscopy of Nagod leaf. | 05 |
| Q.3 | (a) Write a detailed note on fungal toxins. | 06 |
| | (b) Write a short note on photosensitizing agent. | 05 |
| | (c) Describe different types of natural allergens with their effects. | 05 |
| Q.4 | (a) Explain the different methods of pest control. | 06 |
| | (b) Define natural pesticides and write in detail any two natural pesticides. | 05 |
| | (c) Write a note on Shilajit. | 05 |
| Q.5 | (a) Define and classify the Nutraceuticals. | 06 |
| | (b) Explain the role of various phytochemicals used in Nutraceuticals. | 05 |
| | (c) Write in details any two plants used as Nutraceuticals. | 05 |
| Q. 6 | (a) Write a note on principles of Ayurveda. | 06 |
| | (b) Discuss in details about Bhasmas and Pisti. | 05 |
| | (c) Write preparation and standardization of Asava and Arishta. | 05 |
| Q.7 | (a) Give the biosynthesis of Atropin or Menthol. | 06 |
| | (b) Give the biosynthesis of Ephedrine. | 05 |
| | (c) Give the Pharmacognosy of Gulvel. | 05 |
