

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm – SEMESTER-VIII EXAMINATION – SUMMER 2017

Subject Code: 2280014

Date: 09/05/2017

Subject Name: Commerce of Herbs and Phytoconstituents

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.

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| Q.1 | (a) Give the contribution of Liquorice, Ginseng, and Guggulu in the world wide trade. | 06 |
| | (b) Explain the criteria for the import of the herbal drug. | 05 |
| | (c) Give the WHO guidelines on good agricultural and collection practices for medicinal plants | 05 |
| Q.2 | (a) Explain modern methods for extraction of phytochemical from the herbal drugs. | 06 |
| | (b) Give the medicinal uses of herbal extracts of aromatic plants. | 05 |
| | (c) Write a short note on cultivation and collection of herbal material. | 05 |
| Q.3 | (a) How to isolate, identify and analyze Atropine and Camptothecin. | 06 |
| | (b) Write a short note on herbal wealth of China and Arab countries. | 05 |
| | (c) Give the procedure for the warehousing of herbal drugs for medicinal uses. | 05 |
| Q.4 | (a) Explain Intellectual Property Rights (IPR) of herbal drugs. | 06 |
| | (b) Give the detail Pharmacognosy of any two industrially important aromatic plants. | 05 |
| | (c) Write the contribution of morphine and ephedrine in modern drug discovery. | 05 |
| Q.5 | (a) Explain the production and supply of herbal drugs in herbal drug industry. | 06 |
| | (b) Share your views about modern quality control system of medicinal plants. | 05 |
| | (c) How to standardize the herbal drugs. | 05 |
| Q. 6 | (a) Give the industrial uses of Artemisia and Papain. | 06 |
| | (b) Describe the herbal wealth of India. | 05 |
| | (c) What is the procedure for the drug registration for export the drug? | 05 |
| Q.7 | (a) Give the industrial uses of Ipecac, Withania and Aloe. | 06 |
| | (b) Explain the working of industrial staff members. | 05 |
| | (c) How we can introduce another modern methods for development of herbal drug trade. | 05 |
