

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

Subject Code: 2240006**Date: 27-10-2016****Subject Name: Pharmacognosy - II****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) Define essential oil. Enumerate various methods for extraction of volatile oils and explain any one of them. | 06 |
| | (b) Write botanical source, morphology, chemical constituents and uses of Amla. | 05 |
| | (c) Write pharmacognostic note on Baheda. | 05 |
| Q.2 | (a) Write botanical source, chemical constituents and uses Myrrh and Turmeric | 06 |
| | (b) Write botanical source, chemical constituents and uses of Lemon grass and Geranium. | 05 |
| | (c) Differentiate the followings; | 05 |
| | i) Indian dill and European dill | |
| | ii) Hydrolysable tannins and Condensed tannins | |
| Q.3 | (a) Write about botanical source, chemical constituents, method for manufacturing and uses of black catechu. | 06 |
| | (b) Write botanical source, morphology and uses of Bael and Vidang. | 05 |
| | (c) Write botanical source, chemical constituents and uses of rose and vanilla. | 05 |
| Q.4 | (a) Write botanical source, chemical constituents and uses of Kaladana and Nishoth | 06 |
| | (b) Write botanical source, chemical constituents and uses of Cumin and Caraway. | 05 |
| | (c) Describe the botanical source, collection, chemical constituents and uses of Asafoetida. | 05 |
| Q.5 | (a) Draw and describe of T. S. of Eucalyptus leaf. | 06 |
| | (b) Write botanical source, family, morphology, chemical constituents, and uses Star anise. | 05 |
| | (c) Describe Pharmacognosy of Ginger. | 05 |
| Q. 6 | (a) Write a botanical source, chemical constituents, and uses of Vaj and Tulsi | 06 |
| | (b) Define and classify resins with suitable examples. | 05 |
| | (c) Discuss in detail about cultivation, collection, chemical constituents and uses of Cinnamon bark. | 05 |
| Q.7 | (a) Write a comments on following statements | 06 |
| | i) Tannin acts as antidote. | |
| | ii) Saffron is used as colouring agent. | |
| | iii) Cardamom seeds are kept in fruit till required for use. | |
| | (b) What is guggulipids? Write in brief about Guggul. | 05 |
| | (c) Discuss in detail about cultivation, collection, chemical constituents and uses of Cannabis. | 05 |