

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- IV EXAMINATION – SUMMER 2017

Subject Code: 2240006

Date: 11/05/2017

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.

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| Q.1 | (a) Comment on following:
(1) Cardamom seeds are kept in fruit till required for use.
(2) Black catechu gives Gambier fluorescence test positive.
(3) Ginger is coated with lime
(b) Give biological source, chemical constituents & uses of Pterocarpus.
(c) Describe Pharmacognosy of Saffron. | 06

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| Q.2 | (a) What are Resins? Classify resin with suitable examples.
(b) Write detailed Pharmacognosy of Asafoetida.
(c) Give biological source & uses of Colophony & Capsicum. | 06
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| Q.3 | (a) Differentiate followings : (Any two)
(1) Volatile oil / Fixed oil
(2) Cinnamon bark / Cassia bark
(3) Indian dill / European dill
(b) Describe morphology of Nutmeg & Coriander fruit.
(c) Write a detailed note on Garlic. | 06

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| Q.4 | (a) Define Tannins. Classify them with suitable examples.
(b) Write a detailed note on Amla fruit.
(c) Enlist the drugs used as astringent. Describe the method for manufacturing of Pale catechu. | 06
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| Q.5 | (a) Define volatile oils. Describe cold methods for extraction of volatile oil.
(b) Give botanical source, family, morphology, chemical constituents & uses of Eucalyptus leaf.
(c) Describe physical & chemical properties of volatile oils. | 06
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| Q. 6 | (a) Write a note on fruit having anthelmintic activity
(b) Give biological source, family, chemical constituents & uses of Cannabis.
(c) How will you differentiate Indian Podophyllum & American Podophyllum ? | 06
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| Q.7 | (a) Write a note on a drug used as dental analgesic.
(b) Draw detailed transverse section of Vaj rhizome with proper labels.
(c) Describe general morphological & microscopical characters of Umbelliferous fruits. | 06
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