

GUJARAT TECHNOLOGICAL UNIVERSITY**B. Pharm. – SEMESTER – III • EXAMINATION – WINTER • 2015****Subject Code: 230006****Date: 12-01-2016****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 volatile oils. Explain their distribution, properties and role in the plant. How they are originated? | 06 |
| | (b) Write water distillation method and give advantages and disadvantages of it. | 05 |
| | (c) Mention drugs containing Eugenol. Write pharmacognosy of any one drug. | 05 |
| Q.2 | Write B.S, family, morphology, microscopy and chemical tests for | |
| | (a) Cotton and absorbent cotton | 06 |
| | (b) Silk | 05 |
| | (c) Wool | 05 |
| Q.3 | (a) Define Resins. Classify them. Write collection method of Benzoin. | 06 |
| | (b) Write B.S, chemical constituents, chemical tests and uses of Asafoetida. | 05 |
| | (c) Write phramcognosy of Ginger and Capsicum. | 05 |
| Q.4 | (a) Write note on - Valepotriates | 06 |
| | (b) Write note on – Clove and its adulterants | 05 |
| | (c) Write note on - Mentha | 05 |
| Q.5 | (a) Write note on natural colours. Discuss any one in detail. | 06 |
| | (b) Write B.S, family, method of preparation of Gelatin. | 05 |
| | (c) Differentiate European dill and Indian dill. | 05 |
| Q. 6 | (a) Write chemical tests for alkaloids, anthraquinones and amino acids. | 06 |
| | (b) Define Gambir. Write method of preparation of it. Explain chemical tests for it. | 05 |
| | (c) Why umbelliferous fruits are cultivated? Write general characters of them. | 05 |
| Q.7 | (a) Discuss Podophyllum and its synthetic derivatives. | 06 |
| | (b) Draw T.S. of Cinammon | 05 |
| | (c) Write- Hot continuous extraction method | 05 |
