

GUJARAT TECHNOLOGICAL UNIVERSITY**Diploma Pharmacy – 1st Year Examination – OCTOBER 2012****Subject code: 410003****Date: 01-11-2012****Subject Name: Pharmacognosy****Time: 2:30 pm – 5:30 pm****Total Marks: 80****Instructions:**

1. Attempt all 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 history and scope of Pharmacognosy. | 06 |
| | (b) Define volatile oil and differentiate them from fixed oil. | 05 |
| | (c) Write a note on Liquorice. | 05 |
| Q.2 | (a) Differentiate Ceylon cinnamon and Chinese cinnamon (include chemical test also). | 06 |
| | (b) Differentiate <i>Digitalis purpurea</i> and <i>Digitalis lanata</i> . | 05 |
| | (c) Differentiate Vegetable fibre and animal fibre. | 05 |
| Q.3 | (a) Cultivation and collection of Opium. | 06 |
| | (b) Adulteration of crude drugs. | 05 |
| | (c) Anticancer drug. | 05 |
| Q.4 | (a) Write source, family, chemical constituents, chemical tests and adulterants of an antimalarial drug. | 06 |
| | (b) Define and classify tannins with examples. | 05 |
| | (c) Write a note on enzymes. | 05 |
| Q.5 | (a) Give complete Pharmacognosy of Clove. | 06 |
| | (b) What are Pharmaceutical aids? Differentiate Indian tragacanth and Persian tragacanth. | 05 |
| | (c) Write a note on an oxytocic drug. | 05 |
| Q. 6 | (a) Give source, family, chemical constituents, chemical tests, uses and adulterants of Nuxvomica. | 06 |
| | (b) Write a note on drug containing mucilage used as laxative. | 05 |
| | (c) Define resin, classify them and write about curcuma. | 05 |
| Q.7 | (a) Write a note on Solanaceous drugs acting on CNS. | 06 |
| | (b) Give chemical test for Ipecac, Asafoetida, Digitalis and Colchicum. | 05 |
| | (c) Write a note on general characters of Umbelliferous fruits. | 05 |
