

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Diploma Pharmacy First Year Remedial Examination September 2009**

**Subject code: 410003**

**Subject Name: Pharmacognosy**

**Date: 19/09/2009**

**Time: 10:30am-1:30pm**

**Total Marks: 80**

**Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** Answer the following:
- |     |                                                               |           |
|-----|---------------------------------------------------------------|-----------|
| (a) | Define alkaloids and give their classification.               | <b>05</b> |
| (b) | Write general chemical tests for their identification.        | <b>04</b> |
| (c) | Write about plants of family solanaceae containing alkaloids. | <b>07</b> |
- Q.2** Answer the following:
- |     |                                                                                             |           |
|-----|---------------------------------------------------------------------------------------------|-----------|
| (a) | A short note on cultivation and collection of senna.                                        | <b>05</b> |
| (b) | Enlist the drugs containing carbohydrates and give their importance as Pharmaceutical aids. | <b>07</b> |
| (c) | Write a note on Enzymes.                                                                    | <b>04</b> |
- Q.3** Differentiate the following:
- |     |                                                                  |           |
|-----|------------------------------------------------------------------|-----------|
| (a) | Volatile oils/ Fixed oils.                                       | <b>05</b> |
| (b) | Indian colchicum/ European colchicum.                            | <b>05</b> |
| (c) | Pale catechu/ Black catechu (Give chemical tests also for both). | <b>06</b> |
- Q.4** Write a note on following:
- |     |                                                  |           |
|-----|--------------------------------------------------|-----------|
| (a) | Crude drugs and their methods of classification. | <b>07</b> |
| (b) | Liquorice and Dioscorea.                         | <b>05</b> |
| (c) | Vasaka and Tulsi                                 | <b>04</b> |
- Q.5** Write a note on following:
- |     |                                             |           |
|-----|---------------------------------------------|-----------|
| (a) | Adulteration and evaluation of crude drugs. | <b>07</b> |
| (b) | Complete details of resins.                 | <b>06</b> |
| (c) | A note on ginger and curcuma                | <b>03</b> |
- Q. 6** Give botanical source, family, chemical constituents, uses and chemical test/s of the following drugs:
- |     |                 |           |
|-----|-----------------|-----------|
| (a) | Cinchona        | <b>06</b> |
| (b) | Asafoetida      | <b>05</b> |
| (c) | Purple foxglove | <b>05</b> |
- Q.7** Write a note on following:
- |     |                                   |           |
|-----|-----------------------------------|-----------|
| (a) | Natural fibres.                   | <b>07</b> |
| (b) | Nuxvomica and its chemical tests. | <b>04</b> |
| (c) | Laxatives.                        | <b>05</b> |

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