

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Pharmacy (First Year) - Examination –May/June- 2011

Subject code: 410003

Subject Name: Pharmacognosy

Date: 28/05/2011

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) | Classify traditional and alternative system of medicines. Briefly explain the present status and scope of pharmacognosy. | 06 |
| | (b) | Write a note on chemotaxonomical classification. | 05 |
| | (c) | Explain the physical evaluation of crude drugs. | 05 |
| Q.2 | (a) | Explain the chemical and biological standardization of crude drugs. | 06 |
| | (b) | Write the pharmacognostical account of Colchicum | 05 |
| | (c) | Define Diuretics. Give the pharmacognostical account of any one drug used as diuretic. | 05 |
| Q.3 | (a) | Describe the various factors affecting the cultivation of medicinal plants. | 06 |
| | (b) | Write Biological source, Family, Macroscopic character, Chemical constituents and uses of Tragacanth and Gelatin. | 05 |
| | (c) | Define Enzymes. Classify enzymes. Write the source, properties, method of preparation and uses of Diastase. | 05 |
| Q.4 | (a) | Explain the methods of cultivation. | 06 |
| | (b) | Define surgical dressing. Explain their functions, standards and classification. | 05 |
| | (c) | Define Volatile oil. Classify Volatile oils. Enumerate the difference between volatile oil and fixed oil. | 05 |
| Q.5 | (a) | Write Biological source, Family, Chemical constituents and uses of following drugs – (Any three)
1. Cinchona
2. Vasaka
3. Digitalis
4. Senna
5. Coriander | 06 |
| | (b) | Write Biological source, Family, Macroscopic character, Chemical constituents and uses of Cotto and Silk. | 05 |
| | (c) | Write short note on Kaolin | 05 |

- Q. 6**
- (a) Write Biological source, Family, Chemical constituents and uses of following drugs – (Any three) **06**
1. Ipecacuanha
 2. Chaulmoogra oil
 3. Guggul
 4. Ergot
 5. Tulsi
- (b) Write Biological source, Family, Macroscopic character, Chemical constituents and uses of Shankapusphi and Garlic. **05**
- (c) Write Short note on – (Any two) **05**
1. Laxatives
 2. Anti-rheumatics
 3. Pharmaceutical aids
- Q.7**
- (a) Explain Occurrence, Organoleptic evaluation, Chemical constituents and uses of Rhubarb and Tolu Balsam **06**
- (b) Write Biological source, Family, Macroscopic character, Chemical constituents and uses of Tragacanth and Gelatin. **05**
- (c) Write Short note on – (Any two) **05**
1. Neem
 2. Turmeric
 3. Punarnava
