

UKA TARSADIA UNIVERSITY**Maliba Pharmacy College**B. Pharm 2nd Semester Internal Examination April 2013**030020204- Pharmacognosy-I**

Time: 10:00 a.m. To 1:00 p.m.

Max. Marks: **70**

Date: 03/05/2013

Instructions:

- Question no. **1 is compulsory.**
- From Q.2 to Q.7 attempt any **four** questions.
- Make suitable assumption whenever necessary.
- Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) Answer the following: (any six) | 06 |
| | <ol style="list-style-type: none"> 1 Define unorganized drugs. 2 Give morphological class of datura, kurchi, rauwolfia and ginger. 3 What is adulteration? 4 Define galls. 5 What do understand by the term Hybridization? 6 Mention two important functions of Cytokinins. 7 Define inflorescence. 8 Give the uses of Sterculia. | |
| | (b) Describe in brief: (any four) | 08 |
| | <ol style="list-style-type: none"> 1 Name the different types of stomata. Define one of them. 2 Give the alphabetical classification of crude drugs. 3 Name some fertilizers used commonly in cultivation process. 4 Explain gambier fluorescein test. 5 How will you identify adulteration in Honey? 6 Write botanical source and chemical constituents of Acacia. | |
| Q.2 | (a) Discuss the factors responsible for the cultivation of medicinal plants. | 04 |
| | (b) Write short note on plant growth hormones. | 05 |
| | (c) What is adulteration? Explain physical methods of evaluation of crude drugs. | 05 |
| Q.3 | (a) Describe the general histological features of stem and leaf. | 04 |
| | (b) Define bark and explain different types of fractures present in bark. | 05 |
| | (c) Define venation and classify it with suitable examples. | 05 |
| Q.4 | (a) Draw a well labeled neat and clean T.S. of Isabgol seed. | 04 |
| | (b) What are Gums? Give a detailed note on Agar. | 05 |
| | (c) Write chemical tests for Agar (any five) | 05 |
| Q.5 | (a) How do you distinguish acacia from tragacanth. | 04 |
| | (b) Write a note on iodine value and ester value. | 05 |
| | (c) Write biological source, chemical constituents and applications of cotton fiber. | 05 |
| Q. 6 | (a) Give the source, method of preparation, constituents and uses of cod liver oil | 04 |
| | (b) Write the difference between oils, fats and waxes. | 05 |
| | (c) How will you distinguish between natural and synthetic fibers? | 05 |
| Q.7 | (a) Give chemical test for pale catechu. | 04 |
| | (b) Differentiate true tannins from pseudo tannins. | 05 |
| | (c) Write cognostical note on myrobalan. | 05 |