

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.

- Q.1** (a) Answer the following: (any six) **06**
- 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**
- 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**