

**UKA TARSADIA UNIVERSITY**

**B.Pharm. (2nd Semester)**

**Subject :030020204-Pharmacognosy I**

Time : **10 am to 1 pm**

**Duration : 3 Hours**

Date : **27/05/2014**

**Max. Marks : 70.**

**Instructions:**

1. Attempt all questions.
2. Write each section in a separate answer book.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks allocated to that question.
5. Draw diagrams/figures whenever necessary.

**SECTION - 1**

**Q-1 (A) Do as directed.**

**[07]**

- I) What are crude drugs?
- II) Give the source of drugs from plants and minerals.
- III) What is Mutation?
- IV) Define incomplete flower.
- V) Write one example of plants with purgative activity.
- VI) Define stomata.
- VII) Give the example of modified stem.

**Q-1 (B) Answer the following in brief. (Any 4)**

**[08]**

- I) Describe any two types of adulteration.
- II) Differentiate complete and incomplete flowers.
- III) Describe various types of venation with suitable examples.
- IV) Differentiate heartwood and sapwood.
- V) Give the chemical classification of rauwolfia, senna, cinchona and liquorice
- VI) Differentiate dicotyledonous and monocotyledonous seed.

**Q-2 Answer the following.**

**[10]**

- A) Define Pharmacognosy and write its scope?

**OR**

- A) Describe pharmacological classification of crude drugs with suitable examples.  
B) Explain evaluation of crude drug in brief.

**OR**

- B) Describe underground modification of stem.

**Q-3 Answer the following in detail. (Any 2)**

**[10]**

- A) Give classification of fruit and describe one of them in detail.
- B) Enlist plant growth regulators and write in brief about auxins.
- C) Write different parts of root and explain tap root in detail.

**SECTION - 2**

**Q-4 (A) Do as directed.**

**[07]**

- I) Define Lipids.

- II) Write chemical constituents of Agar.
- III) Define iodine value.
- IV) Define hydrolysable tannin.
- V) Molisch test is use for identification of which type of compounds.
- VI) Give example of ant cancerous drug from marine source.
- VII) Write the biological source of linseed oil.

**Q-4 (B) Answer the following in brief. (Any 4)**

**[08]**

- I) Write preparation method of absorbent cotton.
- II) Write identification test and uses of silk fiber.
- III) Describe match stick test.
- IV) Write source and uses of myrobalan.
- V) Write active constituents of nylon.
- VI) Differentiate between fats and waxes.

**Q-5 Answer the following.**

**[10]**

- A) Write botanical source, chemical constituents, identification test and uses of coca butter.

**OR**

- A) Write biological source, chemical constituents, identification test and uses of tragacanth.
- B) Discuss Pharmacognostical study of isapgol.

**OR**

- B) Discuss Pharmacognostical study of black catechu.

**Q-6 Answer the following in detail. (Any 2)**

**[10]**

- A) Give classification of fibers with their chemical constituents.
- B) Give definition, classification and properties of carbohydrates.
- C) Define and Classify tannins? Explain each class with example.