

# UKA TARSADIA UNIVERSITY

B.Pharm. (2nd Semester)

Subject :030020204-Pharmacognosy I

Duration : 3 Hours

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) Define the following term.**

**[07]**

- I) Seed
- II) Wood
- III) Stem
- IV) Leaf
- V) Adulteration
- VI) Tissue
- VII) Fruit

**Q-1 (B) Write biological source & family of the following:- (Any 4)**

**[08]**

- I) Gambier
- II) Wool
- III) Linseed oil
- IV) Kokum butter
- V) Pectin
- VI) Gaur gum

**Q-2 Answer the following.**

**[10]**

- A) Describe briefly scope & modern development of Pharmacognosy.

**OR**

- A) Define bark. Discuss its various shape with suitable diagram.

- B) Classify crude drugs with suitable example. Discuss chemical classification briefly with suitable examples.

**OR**

- B) Define mutation & polyploidy with reference to medicinal plant.

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

**[10]**

- A) Differentiate between hydrolysable tannins & condensed tannins.
- B) Define & classify lipids with suitable example.
- C) Draw well labeled transverse section diagram of monocot & dicot leaf.



## **SECTION - 2**

**Q-4 (A) Define the following term.**

**[07]**

- I) Stomata
- II) Fibers
- III) Cellular drugs
- IV) Acellular drugs
- V) Purgative
- VI) Antitussive
- VII) Antiarthritic

**Q-4 (B) Write active chemical constituents & uses of the following:- (Any 4)**

**[08]**

- I) Glass wool
- II) Cotton
- III) Sodium alginate
- IV) Isabgol
- V) Shark liver oil
- VI) Coca butter

**Q-5 Answer the following.**

**[10]**

- A) Write biological source, chemical constituents with chemical structure, chemical tests & uses of Agar.

**OR**

- A) Write biological source, chemical constituents with chemical structure, chemical tests & uses of Silk.  
B) Write biological source, chemical constituents with chemical structure, chemical tests & uses of tragacanth.

**OR**

- B) Write biological source, chemical constituents with chemical structure, chemical tests & uses of Myrobalan.

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

**[10]**

- A) Define adulteration of crude drugs? Discuss various types of adulterant used with suitable examples.
- B) Describe various factors affecting cultivation of medicinal & aromatic plants.
- C) Write brief note on lycopodium spore method.