

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.