

UKA TARSADIA UNIVERSITY

030020204 - Pharmacognosy I (THEORY) at the 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.
5. Draw diagrams/figures whenever necessary.

Section-1

Q-1 (A) Do as directed:

[07]

- I) What is unorganized drug?
- II) Define hybridization.
- III) What is clay?
- IV) What is periderm?
- V) Write function of micropyle.
- VI) Define actinomorphic flower.
- VII) What is polyploidy?

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

[08]

- I) Write down collection methods of bark.
- II) Differentiate simple and compound leaf.
- III) Explain arrangement of floral part on thalamus.
- IV) Enlist plant growth regulators with examples.
- V) What is organoleptic evaluation of crude drugs?
- VI) Write difference between dicot and monocot plant.

Q-2 Answer the following:

[10]

- A) Define Pharmacognosy; Discuss its scope?

OR

- A) What is leaf? Describe various shapes and bases of leaf.
B) Write in brief factor affecting cultivation of medicinal plants.

OR

- B) Give various methods of classification of crude drugs with examples.

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

[10]

- A) Define adulteration; describe various methods of making adulteration.
- B) What is bark? Describe morphology of bark with examples.
- C) Enumerate methods of cultivation; give its advantages and describe any one method of cultivation.

Section-2

Q-4 (A) Do as directed:

[07]

- I) Give sources of silk fiber.
- II) Classify fibers with examples.
- III) Write morphology of Isapgol.
- IV) Draw chemical structure of gallic acid and catechol.
- V) Write biological source of tragacanth.
- VI) Give various sources of starch.
- VII) Write morphology of myrobalan.

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

[08]

- I) Give identification test for wool.
- II) Write method of preparation of absorbent cotton.
- III) What is proanthocyanidins?
- IV) How will you perform gold beaters skin test?
- V) What is marine Pharmacognosy?
- VI) Write down properties of lipids.

Q-5 Answer the following:

[10]

- A) Define and Classify tannins? Explain each class with example.

OR

- A) Describe Biological source, Chemical constituents and uses of acacia and castor oil.
B) Discuss Pharmacognostic study of black catechu

OR

- B) Give definition, classification and properties of carbohydrates.

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

[10]

- A) Describe chemical test for acacia, pale catechu and honey.
- B) Describe Biological source, morphology and uses of cotton and starch.
- C) Give difference between silk and wool fibre.