

UKA TARSADIA UNIVERSITY

B.Pharm. (2nd Semester)

Subject :030020204-Pharmacognosy I

Time : 2:30 pm to 5:30 pm

Date : 06/12/2013

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) Fruit
- II) Bark
- III) Root
- IV) Stem
- V) Flower
- VI) Cell
- VII) Seed

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

[08]

- I) Agar
- II) Isabgol
- III) Beeswax
- IV) Wool fat
- V) Silk
- VI) Black Catechu

Q-2 Answer the following.

[10]

- A) Define Pharmacognosy. Describe briefly history of Pharmacognosy.

OR

- A) Define leaf, its part, types, shape and margin with suitable diagram.

- B) Define and classify crude drugs. Discuss pharmacological classification with suitable examples.

OR

- B) Discuss various factors affecting cultivation of medicinal and aromatic plants.

Q-3 Differentiate between following with suitable example & draw well labeled diagram. (Any 2)

[10]

- A) Monocot leaf & Dicot leaf
- B) Monocot root & Dicot root
- C) Monocot stem & Dicot stem

SECTION - 2

Q-4 (A) Define the following term.

[07]

- I) Admixture
- II) Substitution
- III) Organized drugs
- IV) Unorganized drugs
- V) Carminative
- VI) Expectorant
- VII) Cardio tonic

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

[08]

- I) Honey
- II) Starch
- III) Cod liver oil
- IV) Shark liver oil
- V) Nylon
- VI) Asbestos

Q-5 Answer the following.

[10]

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

OR

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

OR

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

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

[10]

- A) Define evaluation of crude drugs? Enumerate various method used for quality control. Discuss Physical method of evaluation with suitable examples.
B) Describe various plant growth hormones & their applications with reference to medicinal plants.
C) Write brief note on marine pharmacognosy.