

PARUL UNIVERSITY
FACULTY OF PHARMACY
B.Pharm , Summer 2017-18 Examination

Semester: 3**Subject Code: 08101206****Subject Name: Basics of Pharmacognosy****Date: 26/05/2018****Time: 02:00PM to 05:00PM****Total Marks: 75****Instructions:**

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay type Questions. (Any 2 out of 3) (10 marks each)**(20)**

1. What are lipids? Give their general properties and classification. Differentiate Fats, Fixed oils and waxes giving suitable example
2. Enlist the factors affecting the cultivation, collection and processing of crude drugs. Write a note on Extrinsic factor.
3. Write a short note on: "Ergastic substances".

Q.2 Short Essay type Questions. (Any 7 out of 9) (5 marks each)**(35)**

1. Define Pharmacognosy and discuss scope and development of it.
2. Write a note on sources of crude drugs.
3. Write note on pharmacognosy of Indian gum.
4. Draw detailed labeled diagram of Dicot Leaf and Dicot Stem.
5. Write Synonym, Biological source, Chemical constituents & Uses of Linseed oil.
6. Enumerate classification of crude drugs. Discuss chemical classification of it.
7. Define leaf. Write functions of leaf. Give types of apex and margin of the leaf with diagram.
8. Define stem. Classify modification of stem and discuss in detail underground modification of stem.
9. Define Carbohydrates. Discuss classification and chemical tests of it.

Q.3 Answer in short. (2 marks each)**(20)**

1. Define Iodine Value and Rancidity Index.
2. Differentiate Monocot and Dicot Leaf.
3. Discuss the effect of Auxin and ethylene on plant.
4. What is root? Write functions of root.
5. Differentiate fixed oil and volatile oil.
6. Define: (a) Polyploidy (b) Mutation
7. Give Identification tests for Sesame oil and Castor oil.
8. Discuss method of preparation of Honey.
9. Give biological sources, chemical constituents, uses of Isabgul.
10. Discuss microscopically characteristics to differentiate starch.