

**GUJARAT TECHNOLOGICAL UNIVERSITY****B. Pharm - SEMESTER– III · EXAMINATION – SUMMER - 2016****Subject Code: 2230006****Date: 14/06/2016****Subject Name: Pharmacognosy-I****Time: 2:30 PM to 5:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Define Pharmacognosy. Discuss scope and importance of it in healthcare. **06**  
(b) Define Fruit. Write the classification of it with examples. **05**  
(c) Write Synonym, Biological source, Chemical constituents & Uses of Linseed oil. **05**
- Q.2** (a) Define Carbohydrates. Write properties and identification test for it. **06**  
(b) Enumerate the factors affecting cultivation of medicinal plants. **05**  
(c) Define Lipids. Write classification of it and chemical test for it. **05**
- Q.3** (a) Define Evaluation methods of crude drugs. Enumerate different methods of it and discuss any one method in detail. **06**  
(b) Enumerate classification of crude drugs. Discuss chemical classification of it. **05**  
(c) How Fertilizers and Manures affect cultivation and growth of medicinal plants? **05**
- Q.4** (a) Define Fatty oils. Write properties of it and differentiate it from wax. **06**  
(b) Define active constituents. Discuss classification of it. **05**  
(c) Draw and label different types of shape of leaf. **05**
- Q.5** (a) Write note on pharmacognosy of Indian gum. **06**  
(b) Write sources of crude drugs from natural. Differentiate organized and unorganized crude drugs. **05**  
(c) Enumerate the physical characteristics useful for identification of adulterants. **05**
- Q. 6** (a) Define Propagation. Write methods of it with advantages and disadvantages. **06**  
(b) Write note on pharmacognosy of Castor oil. **05**  
(c) Write Synonym, Biological source, Chemical constituents & Uses of Isapgol seed. **05**
- Q.7** (a) Define Leaf. Write function of it. Differentiate simple leaf and compound leaf. **06**  
(b) Define adulteration. Discuss different methods of it with examples. **05**  
(c) Write synonym, Biological source, Chemical constituents & uses of Starch. **05**