

GUJARAT TECHNOLOGICAL UNIVERSITY**BPHARM – SEMESTER I • EXAMINATION – SUMMER - 2013****Subject code: 220005****Date: 05-06-2013****Subject Name: Pharmacognosy-I****Time: 02:30 pm to 05:30 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Define Pharmacognosy. Discuss its scope in detail elaborating its relation to allied fields. **06**
- (b) Define crude drugs. Enumerate the sources of crude drugs and explain any one giving examples. **05**
- (c) Explain the following terms: **05**
(i) Haustoria (ii) Phyllotaxy (iii) Rhytidoma (iv) Unorganized drug (v) Stomatal index
- Q.2** (a) Define and classify glycosides. **06**
- (b) Discuss outgrowths of seeds giving examples. **05**
- (c) Write a note on Polyploidy. **05**
- Q.3** (a) Explain the system of pharmacological classification of crude drugs, giving its merits and demerits. **06**
- (b) Define adulteration. Discuss various types of adulterants found in market. **05**
- (c) Give the microscopical differences between monocot and dicot leaf. **05**
- Q.4** (a) What is placentation? Describe different types of placentation with examples. **06**
- (b) Write a note on quantitative microscopy. **05**
- (c) Define inflorescence. Write the differences between racemose and cymose inflorescence. **05**
- Q.5** (a) Define carbohydrates. Give its classification and properties. **06**
- (b) Write a note on Indian gum. **05**
- (c) Write the botanical source, family, method of preparation and uses of honey. **05**
- Q.6** (a) Write the botanical source, family, chemical constituents and uses of chaulmoogra oil. **06**
- (b) Write the differences between fixed oils and volatile oils. **05**
- (c) Explain the underground modifications of stem giving suitable examples. **05**
- Q.7** (a) Define fruits and give classification of true fruits. **06**
- (b) What is the role of abscisic acid in plant growth regulation. **05**
- (c) Write the tests for identification of isapgol and sesame oil. **05**
