

GUJARAT TECHNOLOGICAL UNIVERSITY**B.Pharm – SEMESTER – IV - EXAMINATION – SUMMER- 2016****Subject Code: 240006****Date: 09/06/2016****Subject Name: Pharmacognosy - III****Time: 10:30 AM to 1:30 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 saponins. Enumerate any three drugs containing saponins. **06**
Write B.S, Family, C.C and Uses of any one.
- (b) Give brief description of Cascara. **05**
- (c) Write Common Name, B.S, Family, C.C and Uses of Ginseng. **05**
- Q.2** (a) Write biological source, family, chemical constituents and uses of **06**
Almond and Strophanthus.
- (b) Name the different species of Rhubarb and describe any one. **05**
- (c) Discuss the B.S, family, chemical constituents and uses of a seed **05**
drug containing cardiac principle.
- Q.3** (a) Define glycosides .Discuss different basis for classification of **06**
glycosides with suitable examples.
- (b) Give the B.S, family, C.C and uses of Thevetia. **05**
- (c) Give the B.S, family, C.C and uses of Kalmegh **05**
- Q.4** (a) Write a short note on anthraquinone glycosides and Give the **06**
B.S, family, chemical constituents and uses of Picrorrhiza.
- (b) Define and Classify flavanoids with examples. **05**
- (c) Write common name, biological source, chemical constituents and **05**
uses of Ammi visnaga.
- Q.5** (a) Give a pharmacognostic note on Quassia. **06**
- (b) i) Differentiate the Cardenolides and Bufadienolides. **05**
ii) Differentiate Indian Senna and Alexandrian Senna.
- (c) Give the B.S, family, chemical constituents and uses of Dioscorea. **05**
- Q. 6** (a) Write exhaustive note on Isothiocyanate glycosies. **06**
- (b) Write biological source, family and draw neat and labeled transverse **05**
section diagram of Linseed seed.
- (c) Write biological source, family and draw neat and labeled transverse **05**
section diagram of Senna leaf.
- Q.7** (a) Define Enzymes. Classify them giving suitable examples. Add a **06**
note on their significance,
- (b) Write biological source, preparation and uses of Papain or Pepsin. **05**
- (c) Give Biological source, method of preparation and uses of Diastase **05**
or Trypsin.
