

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 Almond and Strophanthus. **06**
- (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 drug containing cardiac principle. **05**
- Q.3** (a) Define glycosides. Discuss different basis for classification of glycosides with suitable examples. **06**
- (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 B.S, family, chemical constituents and uses of Picrorrhiza. **06**
- (b) Define and Classify flavanoids with examples. **05**
- (c) Write common name, biological source, chemical constituents and uses of Ammi visnaga. **05**
- 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 glycosides. **06**
- (b) Write biological source, family and draw neat and labeled transverse section diagram of Linseed seed. **05**
- (c) Write biological source, family and draw neat and labeled transverse section diagram of Senna leaf. **05**
- Q.7** (a) Define Enzymes. Classify them giving suitable examples. Add a note on their significance. **06**
- (b) Write biological source, preparation and uses of Papain or Pepsin. **05**
- (c) Give Biological source, method of preparation and uses of Diastase or Trypsin. **05**
