

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem-III Remedial Examination 2010

Subject code: 230006

Subject Name: Pharmacognosy-II

Date: 12 / 03 / 2010

Time: 02.30 pm – 05.30pm

Instructions:

Total Marks: 80

1. Attempt any five questions.
 2. Make suitable assumptions wherever necessary.
 3. Figures to the right indicate full marks.
- Q.1**
- (a) Define and Classify Resins with suitable examples. **06**
 - (b) Describe Physical and Chemical properties of Resins. **06**
 - (c) Write Botanical source, Family, Chemical constituents and uses of Podophyllum and Myrrh. **04**
- Q.2**
- (a) Differentiate between Black Catechu & Pale Catechu. **04**
 - (b) Differentiate between Condensed Tannins & Hydrolysable Tannins. **04**
 - (c) Differentiate between Chinese Cinnamon & Ceylon Cinnamon. **04**
 - (d) Differentiate between Fixed oil & Volatile oil. **04**
- Q.3**
- (a) Write Botanical source, Family, Chemical constituents and uses of Clove and Nutmeg. **04**
 - (b) Draw well labeled diagram of T.S of Coriander fruit. **04**
 - (c) Define Tannins. Describe it's Physical and Chemical properties. **04**
 - (d) Write Botanical source, Family, Chemical constituents and uses of Eucalyptus and Fennel. **04**
- Q.4**
- (a) Discuss method used for collection & preparation of Cotton and Silk. **06**
 - (b) Give general identification tests for Fibres with suitable examples. **04**
 - (c) Define and Classify Fibres with suitable examples. **03**
 - (d) Write Botanical source, Family, Chemical constituents, Chemical tests and uses of Sumatra Benzoin. **03**
- Q.5** Write Comment on the following:-
- (a) Indian Podophyllum is used as Anticancer. **02**
 - (b) Asafoetida gives combined umbelliferone test. **02**
 - (c) Ginger is coated with lime. **02**
 - (d) Tannins act as Antidote. **02**
 - (e) Black catechu gives Gambier fluorescence test positive. **02**
 - (f) Eucalyptus oil is a natural nasal decongestant. **02**
 - (g) Clove is used as Dental analgesic. **02**
 - (h) Raw Cotton gives Ballooning test. **02**
- Q. 6**
- (a) Define Pharmaceutical Aids. Enumerate various applications of Pharmaceutical aids with suitable examples. **06**
 - (b) Write Biological source, Chemical constituents, and uses of Talc and Diatomite. **06**
 - (c) Write Chemical tests and therapeutic uses of Gelatin. **04**
- Q.7** Write Short notes on following:-
- (a) Types of Extract. **04**
 - (b) Steam distillation method for Volatile oil. **04**
 - (c) Describe Chemical tests for Cardenolides and Bufadenolides. **04**
 - (d) Discuss different method used for Phytochemical screening. **04**
