

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. SEMESTER – III (OLD Syllabus) • EXAMINATION – SUMMER • 2015

Subject Code: 230006

Date: 16-06-2015

Subject Name: Pharmacognosy - II

Time: 02:30 pm - 05:30 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 glycoresins. Write a pharmacognostic note on podophyllum. **06**
(b) Explain resins. Discuss in detail about a drug containing resins. **05**
(c) What is curcuminoids? Write a note on drug containing curcuminoids. **05**
- Q.2** (a) What are tannins? Write the properties and classification the tannins with suitable examples. **06**
(b) What is Gambier? Write a method of preparation and uses of it. **05**
(c) Enumerate the method of isolation of volatile oil from plants. Discuss in detail about cold method of isolation of volatile oils. **05**
- Q.3** (a) Write a note on drug containing valpatriates. **06**
(b) Draw a well labeled morphological and microscopical diagram (T.S.) of mentha leaf. **05**
(c) Discuss in detail about general characteristics of umbelliferus fruits. **05**
- Q.4** (a) Explain the following chemical test with principle: **06**
1) Combined umbelliferone test
2) Modified borntreger's test
3) Gold beater's skin test
(b) Discuss about different methods of extraction of plant drugs. **05**
(c) Write in detail about general chemical tests for alkaloids and cardiac glycosides and flavonoids. **05**
- Q.5** (a) Write a pharmacognostical note on silk. **06**
(b) Write B.S., morphology, chemical constituent, uses and chemical test of ginger. **05**
(c) Differentiate between absorbent cotton and raw cotton. **05**
- Q. 6** (a) Define pharmaceutical aids. Write its classification along with suitable examples. **06**
(b) Write a note on natural colouring agents. **05**
(c) What is gelatin? Write a note on method of preparation and pharmaceutical application of it. **05**
- Q.7** (a) Write a note on nutmeg. **06**
(b) Differentiate between siam benzoin and sumatra benzoin **05**
(c) Discuss in detail about adulterants of clove. **05**
