

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm- SEMESTER-VI- (NEW SYLLABUS) EXAMINATION-SUMMER-2015

Subject Code: 2260006

Date: 14/05/2015

Subject Name: Pharmacognosy-IV

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.

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|-------------|-----|---|-----------|
| Q.1 | (a) | Write a short note on any one drug used as a natural colorant. | 06 |
| | (b) | Define Pharmaceutical aids. Write a short note on talc. | 05 |
| | (c) | Give biological source, Preparation method, chemical constituents and uses of Silk. | 05 |
| Q.2 | (a) | Define Marine Pharmacognosy. Write a short note on marine toxins. | 06 |
| | (b) | Describe in details anti viral agents obtained from marine source | 05 |
| | (c) | Describe preparation, chemical constituents, identification tests and uses of absorbent cotton | 05 |
| Q.3 | (a) | Define and classify enzymes with suitable examples. | 06 |
| | (b) | Give Biological source, method of preparation and uses of Diastase. | 05 |
| | (c) | Write a note on Urokinase OR Hyaluronidase. | 05 |
| Q.4 | (a) | Define alkaloids. Classify them with suitable examples in detail. | 06 |
| | (b) | Write a note on bioavailability enhancing drug. | 05 |
| | (c) | Enlist the drugs containing Indole alkaloids. Give chemistry of Ergot alkaloids. | 05 |
| Q.5 | (a) | Give detailed Pharmacognosy of Indian ginseng. | 06 |
| | (b) | Discuss biological sources, cultivation and collection of Jesuit's bark. | 05 |
| | (c) | Describe the specific chemical tests of Reserpine, Quinine, Caffeine, Ephedrine and Atropine. | 05 |
| Q. 6 | (a) | Write a note on polyploidy inducer seed. | 06 |
| | (b) | Draw well labelled diagrammatic transverse section of Kurchi bark. | 05 |
| | (c) | Discuss adulterants of Belladonna and Nux vomica. | 05 |
| Q.7 | (a) | Differentiate following:
(i) <i>Datura metel</i> / <i>Datura innoxia</i>
(ii) <i>Rio ipecac</i> / <i>Cartagena ipecac</i>
(iii) Tobacco / Indian tobacco | 06 |
| | (b) | Discuss medicinal importance of Kantakari herb. | 05 |
| | (c) | Give Pharmacognosy of Quinazoline alkaloid containing leaf drug. | 05 |
