

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharm. – SEMESTER – I • EXAMINATION – SUMMER • 2015

Subject Code: 2920105

Date: 14-05-2015

Subject Name: Advance Analytical Pharmacognosy

Time: 10:30 am - 01:30 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) | Enlist different dosage form of Ayurvedic formulations. Give methods of preparation and standardization of medicated wine. | 06 |
| | (b) | Give the difference between Ayurvedic and herbal formulation and give the brief detail on Ayurvedic texts. | 05 |
| | (c) | Describe preparation and standardization of ghrita and taila. | 05 |
| Q.2 | (a) | Explain tridosha theory in Ayurvedic system of medicine. | 06 |
| | (b) | Explain methods and importance of shodhan process in formulation of Bhasma. | 05 |
| | (c) | Discuss “Ayurvedic Bhasma as the most ancient application of nanomedicine”. | 05 |
| Q.3 | (a) | Describe the methods to study the toxicity of any herbal drugs | 06 |
| | (b) | What is mutagenicity? Explain methods for its evaluation. | 05 |
| | (c) | Describe methods for evaluation of teratogenicity | 05 |
| Q.4 | (a) | Give a brief account on marine pharmacognosy along with its classification. | 06 |
| | (b) | Discuss anticancer drugs from marine source. | 05 |
| | (c) | Describe marine sources with possible mechanism of action for anti-inflammatory and antimicrobial activity. | 05 |
| Q.5 | (a) | Discuss the method and importance of heavy metal analysis in standardization of herbal drugs. | 06 |
| | (b) | Describe importance for fungal toxins and pesticide residue in herbal drug analysis. | 05 |
| | (c) | Explain the methods for analysis of microbial contamination | 05 |
| Q. 6 | (a) | Write brief note on Schedule T. | 06 |
| | (b) | Explain methods to check efficacy of any herbal drug for diabetes. | 05 |
| | (c) | Write a note on obtaining license for manufacturing Ayurvedic and other drugs of traditional origin. | 05 |
| Q.7 | (a) | Write a note on herb drug interaction by giving suitable examples. | 06 |
| | (b) | Define stability study. Give ICH guidelines for stability testing. | 05 |
| | (c) | Explain factors affecting stability of herbal formulations. | 05 |
