

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M.PHARM- SEM-II-EXAMINATION – JULY 2012

Subject code: 2920105

Date: 06/07/2012

Subject Name: Advanced 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.

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|-------------|-----|---|-----------|
| Q.1 | (a) | Write a note on principles of Ayurveda. | 06 |
| | (b) | Discuss quality parameters to be studied for standardization of formulation of Ayurvedic dosage form Taila. | 05 |
| | (c) | Write a note on guideline of Ayurvedic Pharmacopoeia for standardization of Bhasma | 05 |
| Q.2 | (a) | Write a note on various aspects to be considered for stability of herbal products. | 06 |
| | (b) | Factors influencing stability of herbals. | 05 |
| | (c) | Write a note on tools to deal with instability in natural products. | 05 |
| Q.3 | (a) | Write in detail about The Dietary Supplement Health and Education Act (DSHEA). | 06 |
| | (b) | Discuss the safety measures to be taken in to account while dealing with herbal products. | 05 |
| | (c) | Discuss the problems related to satiability of herbal drugs. | 05 |
| Q.4 | (a) | Write a note on herb drug inaction by giving suitable examples. | 06 |
| | (b) | Write a note on Arishta and Asava and discuss role of Dhataki Pushapa in these formulations. | 05 |
| | (c) | Write a note on Phytoequivalence. | 05 |
| Q.5 | (a) | Write a note on adverse reactions observed with the use of herbal drugs. | 06 |
| | (b) | Write a note on good manufacturing practice in herbal products. | 05 |
| | (c) | Discuss direct and indirect risks associated with the practice of Complimentary and alternative medicines. | 05 |
| Q. 6 | (a) | Discuss anticancer drugs obtained from Marine source. | 06 |
| | (b) | Discuss anti-inflammatory drugs obtained from Marine source. | 05 |
| | (c) | Discuss antiviral drugs obtained from Marine source. | 05 |
| Q.7 | (a) | Discuss various physio-chemical parameters to be considered for a crude drug according to Herbal Pharmacopoeia. | 06 |
| | (b) | Write a note on marine toxins. | 05 |
| | (c) | Write a note on stability testing methods for herbal drugs. | 05 |
