

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

M. Pharm(Ayu.) Final Year Examination December - 2017

**Rasashastra & Bhaishajya Kalpana - II**

Date: 14-12-2017  
Thursday

Time: 09:30 A.M. to 12:30 P.M.  
Marks: 100

Instructions : 1. Attempt any five questions.  
2. All questions carry equal marks.

1. Describe the concept of Sudha Varga. Write the Shodhana, Marana and therapeutic uses of Shankha.
2. What is SOP ? Write the SOP's of Naga Bhasma in detail.
3. What is Bhavana? Describe the importance of Bhavana in the preparation various Ayurvedic formulations with suitable examples.
4. Write Saviryata Ayadhi of different dosage forms of Ayurveda as per drug and cosmetics.
5. Write down about the Shodhana, Marana and therapeutic dose of the following.
  - A. Lauha
  - B. Rajat
  - C. Yashada
  - D. Shukti
6. Write short note on any **FOUR** of the following :
  - A. Preparation Apamarga Kshara
  - B. Sneha Siddhi Lakshana and their importance
  - C. Different between Mashi Kalpana and Bhasma Kalpana
  - D. Druti Kalpana
  - E. Lavana Kalpana

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M. Pharm(Ayu.) Final Year Examination December - 2017

**Dravyaguna Vigyan - II**

Date: 15-12-2017  
Friday

Time: 09:30 A.M. to 12:30 P.M.  
Marks: 100

Instructions : 1. Attempt any five questions.  
2. All questions carry equal marks.

1. Write the botanical name, two synonyms with their elucidation, Rasadipanchaka, therapeutic dose and two formulations containing the drug as major ingredient, of the following drugs.

1.Kumari    2. Amalaki    3. Shirisha    4. Nimba

2. Write the botanical name, Habitat, varieties, major chemical constituents and dosha karma, of following drags.

1.Gokshura    2. Kutaja    3. Punarnava    4. Chitraka

3. Describe the need of research on herbal drugs and justify the role of fundamental principles during new drug formulations.

4. Note down the API recommended botanical source of the following drugs and also mention the available other botanical sources, either in the market or used by traditional practitioners. Put forth your views with Justification why the recommended drug by API should be considered.

1.Rasna    2. Amlavetasa    3. Bala    4. Trivrit

5. Describe various impurities of drugs of herbomineral origin and various methods of their purification.

6. 1. Write short notes on:

- A. Gorochana
- B. Bhedana
- C. Samanyapratyarabdha
- D. Unorganized drugs

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M. Pharm(Ayu.) Final Year Examination December - 2017

**Recent Advances in Ayurvedic Drugs Research**

Date: 16-12-2017  
Saturday

Time: 09:30 A.M. to 12:30 P.M.  
Marks: 100

- Instructions : 1. Attempt any five questions.  
2. All questions carry equal marks.

1. Explain totipotent cell and hairy root culture, write applications on plant tissue culture.
2. Write a note on DNA micro array technique in Ayurvedic drugs.
3. Discuss the following :
  - A. Use HPTLC in bioactivity screening of natural products.
  - B. Reproductive toxicity study.
4. Write your comment on "Exploitation of available biological information for searching new lead compounds".
5. How will you proceed for standardization of a given multi component Ayurvedic formulation ?
6. Write short note on any **Two** of the following :
  - A. Reverse pharmacology of traditional medicines.
  - B. Phases of clinical trial.
  - C. Bio-standardization of Ayurvedic drugs.

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