

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

M. Pharm(Ayu.) Final Year Examination : August-2022

RASASHASTRA & BHAISHAJYA KALPANA –II

Date: 25-08-2022
Thursday

Time: 02:30 P.M. to 05:30 P.M.
Marks: 100

Note :

1. Attempt any five questions.
2. All question carry equal marks.
3. Draw annotated diagrams and structural formulae wherever necessary.

1. Write the concept of *Sudhavarga*. Write down *Shodhana*, *Marana* and therapeutic uses of *Varatika* and *Shankha*. 20
2. What is Standardization? Write down the SOP's of *Naga Bhasma* in details. 20
3. Write down the general method of preparation of *Sneha Kalpana* and its quality control parameters. 20
4. What is *Vati Kalpana* ? Write in details classical & modern method of preparation and quality control parameters of *Vati Kalpana*. 20
5. Explain the concept of *Arka Kalpana*. Write the method of preparation of *Gulab Arka* and its *Saviriyatavadhi* (self life) and uses in various Ayurvedic pharmaceutical processes. 20
6. Write short notes on any **Two** of the following : 20
 - A. *Shodhana* and *Marana* of *Swarna & Yashada* (Two processes of each)
 - B. Define the word *Bhavana*. Explain its utility and various Ayurvedic processing with examples.
 - C. Method of preparation of *Vida lavana* and *Sauvarchala lavana*.

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DRAVYAGUNA VIGYAN - II

Date: 26-08-2022
Friday

Time: 02:30 P.M. to 05:30 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.Kapikachu 2. Kupilu 3. Khadira 4. Bilwa

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

1.Kantakari 2. Bhringaraja 3. Vacha 4. Chandana

3. Write in detail about Good collection and storage practice of herbal drugs

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.Moorava 2. Parpataka 3. Chavya 4. Kiratatikta

5. Write down in brief about the basis of classification in classical texts of Ayurveda and describe various methods of classifications of crude drugs.

6. Write short notes on:

- A. Shukti
B. Grahi
C. Vichitrapratyarabdha
D. Importance of shodhana

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RECENT ADVANCES IN AYURVEDIC DRUG RESERCH

Date: 29-08-2021
Monday

Time: 02:30 P.M. to 05:30 P.M.
Marks: 100

Note :

1. Attempt any five questions.
2. All question carry equal marks.
3. Draw annotated diagrams and structural formulae wherever necessary.

1. (a) Explain Drug development stage in New Drug Discovery Process. 20
(b) Write a detail note on Toxicity studies in Rodents.
2. (a) Write a detail note on Micro extraction techniques. 20
(b) Explain methods for search of New lead compound.
3. (a) Write importance of Hybridization techniques. 20
(b) Write importance and role of Reverse Pharmacognosy.
4. Explain classification and clustering methods in context to PCA (Principle Component Analysis) 20
5. (a) Explain Apoptosis, its characteristics and importance. 20
(b) Explain Lead optimization step in New Drug Discovery Process.
6. Write short notes on any **Two** of the following : 20
 - A. Tissue Culture Techniques
 - B. Patent and Intellectual Property Rights
 - C. DNA techniques for Plant identification