

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

M.Pharm (Ayu.) Final Year Examination - August - 2019

RASASHASTRA & BHAISHAJYA KALPANA -II

Date : 01-08-2019
Thursday

Time : 09:00 A.M. to 12:00 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. Describe the concept of *Sudha Varga*. Write the *Shodhana*, *marana* and therapeutic doses of *shukti* and *pravala*. 20
 2. What is standardization ?. Write the SOP of preparation of *Lauha bhasma* in details. 20
 3. What is *Bhasma* ?. Explain the importance of *Bhavana* in the preparation of *Bhasma* and Ayurvedic formulation with suitable examples. 20
 4. Explain methods of preparation of *Siktha taila*. Write quality parameters of *Lepa kalpana* according to classics and modern. 20
 5. Define the word *Saviryatavadhi* (shelf life) and its concept in ancient times and mention in brief its methods of evaluation. What are the factors responsible for reduction in shelf life of a formulation? 20
 6. Write short notes on any **Two** of the following : 20
 - A. Methods of preparation of *Gandhaka druti*.
 - B. *Bhasma paraikha* and their importance
 - C. *Sneha siddhi lakshana*.

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DRAVYAGUNA VIGYAN-II

Date : 02-08-2019
Friday

Time : 09:00 A.M. to 12:00 P.M.
Marks : 100

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

1. Write botanical name, two synonyms with meaning, Rasa Panchaka and two formulations with dose of following Dravyas :
1. Jatiphala 2. Vasa 3. Jivanti 4. Shunthi 5. Bibhitaka
2. Write botanical name, varieties, chemical compositions and Dosha Karma of following Dravyas :
1. Kantakari 2. Lodhra 3. Haritaki 4. Satavari 5. Khadira
3. Define and describe following Karmas with examples :
1. Deepana 2. Sandhaniya 3. Anulomana 4. Brumhana 5. Vrushya
4. Describe the identification methods of Dravya.
5. Describe Good Cultivation Practices and justify its need in Ayurveda.
6. Write Short notes on :
A. Need of research in Dravyaguna.
B. Substitute and adulterations of Rasna.
C. Substitute and adulterations of Nagakeshara.
D. Mrigashringa.

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RECENT ADVANCES IN AYURVEDIC DRUGS RESEARCH

Date : 03-08-2019
Saturday

Time : 09:00 A.M. to 12:00 P.M.
Marks : 100

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

1. What are different microanalytical methods for Extractions? Write detail note on any two methods of them.
2. Write the detail note on Apoptosis and their evaluation methods.
3. Explain Multivariate Analytical methods used in New Drug Discovery.
4. Write a detailed note on Reverse Pharmacognosy in New Drug Discovery process.
5. Explain Lead optimization and Drug development in New Drug Discovery Process.
6. Write short note on any **TWO** of the following :
 - A. Mutagenicity study (in vitro and in vivo)
 - B. Principal Component Analysis (PCA)
 - C. DNA fingerprinting technology
