

INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA, JAMNAGAR

M. PHARM. (AYU.) FINAL YEAR EXAMINATION - August - 2023

RASASHASTRA AND BHAISHAJYA KALPANA - II

Date : 03/08/2023

Time : 02:30 P.M. - 05:30 P.M.

Thursday

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 *Malahara Kalpana* and their utility in present era. Write down the preparation methods and quality parameters of *Gandhaka Malahara*. 20
2. What is *Lepa Kalpana*? Describe ancient and modern procedures used in the preparation of *Lepa Kalpana*. 20
3. What is *Vati Kalpana*? Write down method of preparation and quality parameters of any one of the *Vati Kalpana*. 20
4. Write down general method of preparation of *Sneha Kalpana* and explain the Role of *Kalka* and *Drava dravya* in the preparation of *Sneha Paka*. 20
5. Write down about *Shodhana*, *Marana* and therapeutic dose of the following 20
(a) *Tamra* (b) *Rajata* (c) *Yashada* (d) *Shankha*
6. Write short notes on any **Two** of the following : 20
A. *Grahya lakshana* of *Naga* and *Swarna*
B. *Gulab Arka nirmana vidhi*
C. *Bhasma Pariksha* with their scientific background

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DRAVYAGUNA VIGYAN-II

Date : 04/08/2023

Time : 02:30 P.M. - 05:30 P.M.

Friday

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 properties, effect and uses of following drugs of animal origin 20
(a) Praval (b) Mukta (c) Shankh (d) Shukti (e) Mrigshringa.
2. Describe the terms Bone fracture healer, Antithrombotics, Hepetoprotective 20
Memory stimulants and cardiotonics with their examples.
3. Describe the terms Balya, Jivaniya, Kanthya and Karshana with examples. 20
4. Describe the factors responsible for controversy in identification of drug and step to 20
resolve it, discuss the source plants for Murva.
5. Discuss the various impurities of drugs and its purification methods. 20
6. Write short notes on any **Two** of the following : 20
 - A. Bioavailability enhancers.
 - B. Preservation methods.
 - C. Classification of the drugs.

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RECENT ADVANCES IN AYURVEDIC DRUG RESEARCH

Date : 05/08/2023

Time : 02:30 P.M. - 05:30 P.M.

Saturday

Marks : 100

Note :

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

1. Explain Micrometric and Quantitative Microscopy techniques with its applications. Write importance of Hybrid techniques used in medicinal plants. 20
2. Detail note on “Lead Optimization” and “Drug Development” in New Drug Discovery Process. 20
3. Explain the difference between “Cross validation” and “Split validation” with its applications and suitable examples. 20
4. Write detail note Clustering and classification methods in predictive outcomes of HTS experiments. Discuss the Solid phase extraction method. 20
5. Write detail note “Tissue culture techniques” and “Clinical Pharmacognosy” with its applications in Medicinal plants. 20
6. Write short notes on any **Two** of the following : 20
 - A. Apoptosis, its characteristics and therapeutic applications
 - B. Intrinsic and extrinsic pathways in Apoptosis with list of evaluation techniques
 - C. Brief note on Review of literature and its search, Research paper writing
