

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

M. Pharm(Ayu.) First Year Examination July - 2018

Advances in Ayurvediya Aushadha Gunadharma Shastra

Date: 30-07-2018
Monday

Time: 10:00 A.M. to 01:00 P.M.
Marks: 100

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

1. Write about the era, author and description method along with peculiarity of Rajanighantu.
2. Write about the basis of classification of drugs described in Charaka Samhita and describe any four Dashemani in detail.
3. Write the definition, characteristic features and properties in general of Sramsana, Anulomana, Bhedana and Rechana dravya, with appropriate examples.
4. Enlist the dravyas with Botanical name belonging to Panchatikta and write their Rasapanchaka and collective action.
5. Write the Botanical name, two Synonyms, varieties, parts used and Formulations of following Dravyas
Shatavari, Nimba, Agnimantha, Kutaja.
6. Write short notes:
 - A. Chaturbija.
 - B. Good Collection Practices.
 - C. Sapta Padartha.
 - D. Virvya

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Advances in Ayurvediya Aushadha Nirman Shastra

Date: 31-07-2018
Tuesday

Time: 10:00 A.M. to 01:00 P.M.
Marks: 100

Note :-

- Attempt any five questions.
- All questions carry equal marks.

- 1 What is Ashtasamkara of Parada?. How these processes are remove the impurities and increase the potency of Parada?.
- 2 Write the importance of Bhavana, Chakrika Nirmana, Sarava Samputa and Puta during preparation of Bhasma in detail.
- 3 Write the Shodhana , Marana and therapeutic dose of the following drugs:
 - a) Abhraka
 - b) Makshika
 - c) Kasis
 - d) Tuttha
- 4 Describe the concept of Pancha vidha Kashaya Kalpana and their importance in pharmaceutical field.
- 5 Write the different between of the following:
 - a) Kwatha and Kshira paka
 - b) Asava and Arishta
 - c) Arka and Phanta
 - d) Shodhan and Samskara
- 6 Write short notes on the following :
 - a) Sneha Murchchana
 - b) Poly -herbal formulations.
 - c) Nirmana vidhi of Vasavaleha
 - d) Bhaa Pariksha with their scientific background.

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Clinical and Therapeutic Aspects of Ayurvedic Drugs

Date: 01-08-2018
Wednesday

Time: 10:00 A.M. to 01:00 P.M.
Marks: 100

Instructions : All questions carry equal marks.

1. Defining the term Dosha, Dhatu and Mala, establish the statement “दोषधातुमलमूलं ही शरीरम् ।”
2. Defining the term Srotasa, write in detail on “तानि दुष्टानि रोगाय, विशुद्धानि सुखाय च ।”
3. Write the ingredients, dosage, Anupana and indication of below mention formulations :
 - A. Sudarshana Ghanavati.
 - B. Chandraprabha Vati.
 - C. Shankha Vati.
 - D. Talishadi Churna.
4. Describing the causes, symptoms and principles of treatment of Medovaha Srotasa Dushti, write two formulations indicated for Sthaulya in regards of its ingredients, method of preparation, dosage and Anupana.
5. Describing the Nidana and Lakshana of Rasavaha and Raktavaha Srotasa Dushti, mention about different types of Jvara and any two commonly used formulations indicated for Jvara alongwith its ingredients and dose.

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Pharmacognostic and Phytochemical Aspects of Ayurvedic Drugs

Date: 02-08-2018

Thursday

Time: 10:00 A.M. to 01:00 P.M.

Marks: 100

Note :-

- Attempt any five questions.
- All questions carry equal marks.
- Draw annotated diagrams and structural formulae wherever necessary.

- 1 Write a note on Environmental factors effecting on quality of Ayurvedic drugs. Discuss with any one suitable example on gender effecting quality of Dioecious Ayurvedic Plants.
- 2 Write a note on bio-enhancers of herbal origin.
Write a note on poisonous plants of Ayurveda.
- 3 Write a note on methods of drying and storage of Ayurvedic drugs.
Discuss briefly on natural herbal flavouring agents.
- 4 Differentiate between Rasayana drugs and Rasayana therapy. Discuss in detail on Rasayana therapy.
- 5 Enumerate various parameters of WHO guidelines for standardization of herbal drugs. Discuss in detail on ash value, extractive value, loss on drying and microscopical standardization parameters.
- 6 Write short notes on **any two** of the following :
 - (A) Neutraceuticals in Ayurveda.
 - (B) Various methods of Tissue Culture methods.
 - (C) Quality Assessment methods of Kesara, Hingu and Kanyasara.

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Pharmaceutical Chemistry (Analysis, Q.C. & Standardisation)

Date: 03-08-2018
Friday

Time: 10:00 A.M. to 01:00 P.M.
Marks: 100

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

1. What is called Alkaloids: Explain method of isolation, and classification of alkaloid write different qualitative tests for the identification of alkaloid.
2. Explain theory, instrumentation and application of NMR Spectroscopy.
3. Explain HPTLC in detail and strategies to handle narrate products using HPTLC as instrumental tools.
4. Discuss Analytical method and it's validation, Explain it's importance in Ayurveda.
5. Differentiate quality control and quality assurance. Discuss ways to find out quality and it's tools.
6. Write short note on any **Two** of the following :
 - A. Analytical Profile of Hingul
 - B. GLP
 - C. Mass Analysers

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Pharmacological and Toxicological Aspects of Ayurvedic Drugs

Date: 04-08-2018

Saturday

Time: 10:00 A.M. to 01:00 P.M.

Marks: 100

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

1. Enumerate the various evaluation techniques for Anti-inflammatory and Analgesic activities of drugs in animals. Explain any one method for each activity in detail.
2. Enlist various Toxicity studies in animals. Describe Acute toxicity and Chronic toxicity studies in animals.
3. Enumerate the various evaluation methods for Anti-anxiety and Anti-depressant activity in animals. Write a detail note on any one method for each activity.
4. Write a note on Institutional Animal Ethics Committee (IAEC). What are requirements of Animal house facilities for registration with CPCSEA?
5. Describe any one method for evaluation of-
 - (a) Anti-psychotic activity
 - (b) Anti-diabetic activity
 - (c) Hepatoprotective activity
 - (d) Cardioprotective activity
6. Write a short notes on any TWO of the followings:
 - A. Reproductive toxicity study.
 - B. Enlist plants used as Hepatoprotective, Cardioprotective and Anti-diabetic agents.
 - C. Describe any one evaluation method each for wound healing activity and anti-ulcer activity.

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Fundamental principles of Ayurveda

Date: 06-08-2018
Monday

Time: 10:00 A.M. to 01:00 P.M.
Marks: 100

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

1. Explain the concept of "Kaala" along with its importance in pharmaceutical sciences.
2. Describe "Dashavidha pareekshyabhavas" (Ten points for examination) and their importance in pharmaceutical sciences.
3. Define Dravya, Types of Dravya as per Panchamahabhutas and their importance in Ayurveda.
4. Explain the concept of "Karma" along with its importance.
5. Write short notes.
 - A. Importance of "Disha"
 - B. Types of "Padartha"
 - C. Importance of "Manas"
 - D. Vaisheshika Guna
