

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

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

ADVANCES IN AYURVEDIYA AUSHADHA GUNADHARMA SHASTRA-I

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 any five Karma form Sharangdharokta Karma. 20

2. Write in detail about collection, preservation and storage of drugs.

3. Write in detail about classification of drugs according to Ayurveda. 20

4. Write the botanical name, two synonyms, Rasapanchak, part used and formulations of following drugs: 20

I. Guduchi II. Amalaki III. Palash IV. Arka

5. Write the botanical name, family, botanical description, two synonyms, doshkarma, of following drugs: 20

I. Shallaki II. Shigru III. Bilwa IV. Udumbara

6. Write short notes on: 20

- A. Trimada
- B. Upavisha
- C. Adulterant
- D. Panchbhautik composition

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ADVANCES IN AYURVEDIYA AUSHADHA NIRMAN SHASTRA-I

Date : 02-08-2019
Friday

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. Classical method of preparation of *vati-guti kalpana* and merits of contemporary manufacturing process of tablets in view of impact on pharmacotherapeutics. 20
 2. Describe in brief recent advancements and possible application of assemblies in place of *Patana yantra*. 20
 3. Characterization and standardization of finished product; principally mineral and herbomineral formulations. 20
 4. Standardization (Raw drug standardization, in process standardization and standardization of finished product) of *Sneha kalpana*. 20
 5. Describe in brief the concept of *Shodhana* of *Rasavarga dravya* with special reference to *Dhatu Shodhana* by *Nirvapa* method with illustrative examples of its effects in therapeutics. 20
 6. Write short notes on following : (five marks each) 20
 - A. Preservatives in Classical Ayurvedic preparations
 - B. WHO standards for herbal drugs or formulations.
 - C. Significance of duration of heating and preparation in *Sneha* and *Avaleha kalpana*.
 - D. Excipients of *Vati kalpana*

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M.Pharm (Ayu.) First Year Examination - August - 2019
CLINICAL AND THERAPEUTIC ASPECTS OF AYURVEDIC DRUGS

Date : 03-08-2019
Saturday

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

Instructions : All questions carry equal marks.

1. Describe “समदोषः समाग्निश्च समधातु मलक्रियः” in detail.
2. What is Srotasa ? Write its importance in health and disease its types and general causes of its vitiation.
3. Mentioning difference between Sandhigatavata and Aamavata, write three commonly used formulations of Amavata with its contents, method of preparation, dosage and Anupana.
4. Write notes on :
 - A. Causes, clinical features and two formulations with its ingredients of Grahani.
 - B. Causes, clinical features and two formulations of Pranavaha Sroto Dushti.
 - C. Chandraprabha Vati – ingredients, dose and indications.
 - D. Arogyavardhani Rasa – ingredients, dose and indications.
5. Write notes on :
 - A. General functions of Vata.
 - B. Ingredients, method of preparation and dose of Sanjivani Vati.
 - C. Any two anti-hypertension formulations with its ingredients and method of preparation.
 - D. Agnitundi Vati- its ingredients, dose and method of preparation.

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PHARMACOGNOSTIC AND PHYTOCHEMICAL ASPECTS OF AYURVEDIC DRUGS

Date : 05-08-2019
Monday

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 the genetic factors ? Discuss on genetic factors affecting on quality of Ayurvedic drugs.
2. What are the plant bio-enhancers ? How they work ? Discuss in detail on any three bio-availability enhancers with its mechanism of action.
3. Discuss various collection methods for the plant drugs. Write their note on various factors to be taken in consideration during collection of plant drugs with suitable examples.
4. What are the nutraceuticals ? Write a note on importance of nutraceuticals in various diseased conditions – discuss with example.
5. Define standardization. Enlist various parameters recommended in WHO guidelines for standardization of herbal drug. Discuss in detail on ash value.
6. Write note on preparation of formulation of following Ayurvedic drugs :
 - A. Galosatva.
 - B. Kanyasaara.
 - C. Rasanjana.
 - D. Saral.
7. Write a note on any **two** of the following :
 - A. Rasayana Drugs.
 - B. Anti-cancer herbal drugs.
 - C. Acitrate pathway for secondary plant metabolites.

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PHARMACEUTICAL CHEMISTRY (ANALYSIS, Q.C. AND STANDARDISATION)

Date : 06-08-2019
Tuesday

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. What are Glycosides ? Enumerate different types of glycosides with quantitative test for their identification. Mention sources, uses and quantitative method of estimation of Anthraquinone Glycoside. 20
 2. Explain theory, instrumentation and application of UV-visible spectrophotometer in analysis of Ayurvedic drugs. 20
 3. Designs concept, important points of GLP and it's importance in drug manufacturing unit. 20
 4. Write importance of Quality Assurance and it's usefulness in different stages of Ayurvedic drug manufacturing. 20
 5. Write source, therapeutic uses and analytical profile of Guggulu and Hartal. 20
 6. Write short notes on any **Two** of the following : 20
 - A. Method Validation.
 - B. HPTLC in Ayurvedic drug analysis.
 - C. SOP's

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PHARMACOLOGICAL AND TOXICOLOGICAL ASPECTS OF AYURVEDIC DRUGS.

Date : 07-08-2019
Wednesday

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. Enumerate the various methods for evaluation of Anti-depressant and Anti-psychotic activities of drugs in animals. Describe any one method for each activity in detail.
2. Write a note on composition and role of Institutional Animal Ethics committee (IAEC). What are requirements of Animal house facilities for CPCSEA registration?
3. Enumerate the various methods used for evaluation of anti-ulcer and anti-colitis activities in animals. Describe any two methods for Anti-ulcer activity in animals.
4. Write a list of various methods for Anti-diabetes and Hepatoprotective activities in animals. Describe any one method for each activity in detail.
5. Describe the list of evaluation techniques for Anti-inflammatory and Analgesic activities in animals. Write detailed note on any one method for each activity.
6. Write a short notes on any TWO of the followings:
 - A. Carcinogenicity & Mutagenicity
 - B. Examples of Wound healing plants and their evaluation method in animals.
 - C. Nootropic drugs and their evaluation techniques in animals.

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FUNDAMENTAL PRINCIPLES OF AYURVEDA

Date : 08-08-2019
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 Ten points for Examination in detail and their importance in Pharmaceutical Sciences. 20
2. Explain the concept of 'Karma' along with its importance. 20
3. Describe the practical applicability of 'Garvadi Gunas' in Pharmaceutical Sciences. 20
4. What is the importance of 'Six Karanas' in Pharmaceutical Sciences ? 20
5. Describe the classification of "Dravya" in detail. 20
6. Write short notes on any **Two** of the following : 20
 - A. Types of Ayurveda
 - B. Concept of bheshaja
 - C. Importance of mana
