

आयुर्वेद शिक्षण एवं अनुसंधान संस्थान, जामनगर

M. PHARM. (AYU.) FIRST YEAR EXAMINATION - February - 2025

ADVANCES IN AYURVEDIYA AUSHADHA NIRMAN SHASTRA

Date : 11/02/2025

Tuesday

Time : 10:00 A.M. - 01:00 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 in brief general methods of *Marana* and probable physicochemical changes during *Marana*. 20
2. Parameters and guidelines for standardization of polyherbal formulations as per WHO and CCRAS 20
3. Mention principles of manufacturing of *Avaleha kalpana* with illustrative example of essential components (monitoring parameters) in batch manufacturing record of any one *Avaleha* formulation. 20
4. Describe in short methods of *Shodhana* of *Jayapala*, *Dhattura* and *Bhanga* and mention their inprocess and product quality control parameters with biologically active / potent toxic phytochemical markers. 20
5. Describe in brief Process of manufacturing of tablets and write short note on controlled release tablets. 20
6. Write short notes on any **Two** of the following : 20
 - A. *Samanya shodhana* of *Rasoparasa Varga* (*Dhatu*, *Sadharana rasa*, *Uparasa*)
 - B. Physicochemical changes and probable changes during *Putiloha Shodhana*
 - C. Recent advances and probable measures for in-process standardization and quality control of *Sandhana Kalpana*

आयुर्वेद शिक्षण एवं अनुसंधान संस्थान, जामनगर

M. PHARM. (AYU.) FIRST YEAR EXAMINATION - February - 2025

CLINICAL AND THERAPEUTIC ASPECTS OF AYURVEDIC DRUGS

Date : 12/02/2025

Wednesday

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

Marks : 100

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

1. Defining the term Srotasa, establish the role of Srotasa in the maintenance of the health and in the manifestation of the disease 20
2. Mentioning the cause, and symptoms of Amavata, describe in the detail the ingredients, method of preparation, dose, and Anupana of Sinhanada Guggulu 20
3. Describe in detail the causes of Annavaha Srotodushti along with the details of any two Ayurvedic formulations used in the treatment of disorders of the Annavaha Srotasa 20
4. Mentioning the causes of Jvara, describe in detail the ingredients, method of preparation, dose, and Anupana of any two Ayurvedic formulations used in the management of Jvara 20
5. Mentioning the causes of Dushti of Raktavaha Srotasa, describe in detail the ingredients, method of preparation, dose, and Anupana of any two Ayurvedic formulations indicated in the management of hypertension 20
6. Write short notes on any Two of the following 20
 - A Causes of Dushti of Tridosha and their symptoms
 - B Ingredients and method of preparation of Chandraprabha Vati
 - C Ingredients and method of preparation of Vyaghri Haritaki

आयुर्वेद शिक्षण एवं अनुसंधान संस्थान, जामनगर

M. PHARM. (AYU.) FIRST YEAR EXAMINATION - February - 2025

PHARMACOLOGICAL AND TOXICOLOGICAL ASPECTS OF AYURVEDIC DRUGS.

Date : 13/02/2025

Time : 10:00 A.M. - 01:00 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 screening methods for Anti-diabetic drugs. Enumerate Ayurvedic drugs used in Diabetes. 20
2. (a) Write a composition & role of Institutional Animal Ethics Committee (IAEC) 20
(b) Describe Macro and Micro environment in Animal house.
3. Enumerate various techniques used for screening of Anti-inflammatory and Analgesic activities of drugs in animals. Explain any one method for each activity. 20
4. Explain Acute and Chronic oral toxicity studies in Rodents. 20
5. Describe any **One** method for following activities in animals: 20
(a) Anti-anxiety activity (b) Anti-psychotic activity
(c) Anti-parkinsonism activity (d) Muscle relaxant activity
6. Write short notes on any **Two** of the following : 20
A. Evaluation techniques for Hepatoprotective activity of drugs in animals.
B. Enlist drugs as Cardioprotective activity and evaluation techniques in Animals.
C. Carcinogenicity and Mutagenicity.

आयुर्वेद शिक्षण एवं अनुसंधान संस्थान, जामनगर

M. PHARM. (AYU.) FIRST YEAR EXAMINATION - February - 2025

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

Date : 14/02/2025

Friday

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

Marks : 100

Instructions : All the questions are compulsory.

1. What is Alkaloid? Write different qualitative tests to identify alkaloids. Classify them and give procedure of extraction of alkaloids. 20
2. Write the instrumental upgradation of TLC in detail. Give details of detecting techniques in TLC. 20
3. Write the instrumentation of U.V. Spectroscopy in brief with diagram and applications. 20
4. Discuss analytical methods development and it's validation of ayurvedic drug. Explain it's importance. 20
5. (A) Explain Organization, personal training, and hygiene according to GMP. 20
(B) Explain G.L.P. in Ayurveda.
6. Write short notes on any Two of the following 20
 - (A) Vitamins
 - (B) Analytical profile of Guggulu.
 - (C) Give definitions of Quality control and Quality assurance according to WHO GMP.
