

INSTITUTE OF TEACHING AND RESEARCH IN AYURVEDA, JAMNAGAR

M. Pharm(Ayu.) First Year Examination : February-2023

PHARMACOLOGICAL AND TOXICOLOGICAL ASPECTS OF AYURVEDIC DRUGS

Date: 13-02-2023
Monday

Time: 09:30 A.M. to 12:30 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. Write list of experimental models used for assessment of Anti-depressant drugs in animals. Explain any Two models in detail. 20
2. a. Write a detail note on composition, role and responsibilities of Institutional Animal Ethics Committee. 20
b. Write a detail note on requirements of Animal house registered with CPCSEA.
3. a. Enlist various drugs and evaluation techniques used for Anti-inflammatory activity. Describe one animal model in detail. 20
b. Enlist animal models for Oestrogenic and Progesterogenic like activity of drug.
4. Explain any One model for each activity. 20
 - a. Anti-anxiety activity
 - b. Anti-parkinsonism activity
 - c. Analgesic activity
 - d. Anti-psychoctic activity
5. Enumerate the list of Toxicity studies in animals. Explain any two Toxicity studies in detail. 20
6. Write short notes on any Two of the following 20
 - A Enlist various Ayurvedic drugs used in Diabetes and their evaluation techniques in rodent. Explain any One technique in detail.
 - B Enlist evaluation techniques used for Cardioprotective drugs in rodent. Explain any One model in detail.
 - C Enlist Ayurvedic drugs used for Anti-ulcer and Anti-colitis activity and their assessment methods in rodent.

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ADVANCES IN AYURVEDIYA AUSHADHA GUNADHARMA SHASTRA

Date: 14-02-2023
Tuesday

Time: 09:30 A.M. to 12:30 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. Write the Characteristic of Dravyaguna Shashtra and Saptapadarth. 20
 2. Write the importance of Nighantu in current era and write the author name, period and characteristic of Bhavprakash nighantu. 20
 3. Write the definition, characteristics and properties of Deepana, Pachana, Vyavayi, Vikasi with appropriate examples. 20
 4. Write the classical methods of Collection and Storage of Drug. 20
 5. Write the Latin name, Raspanchak, Doshkarma, part used, dosage and formulations of following drug : 20
 - a. Pushkaramoola
 - b. Chitrak
 - c. Amalaki
 - d. Agnimantha
 6. Write short notes on any **Two** of the following : 20
 - A. Ashtavidha Virya
 - B. Rasapanchaka and uses of Nimba and Dadima
 - C. Lavanpanchak and Chaturbeeja

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M. Pharm(Ayu.) First Year Examination : February-2023

CLINICAL AND THERAPEUTIC ASPECTS OF AYURVEDIC DRUGS

Date: 15-02-2023
Wednesday

Time: 09:30 A.M. to 12:30 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. Write ingredients, dosage and Anupana of any four formulations useful for the management of Ajirna. 20
2. Write ingredients, dosage, Anupana along with indication of Chyavanprasha, Shankhavati, Mansyadikwatha and Dashamularishta. 20
3. Write ingredients, dosage, Anupana of any four formulations useful for the disease of Pranavaha Srotasa. 20
4. Write pathogenesis (Samprapti) of Madhumeha (Diabetes Mellitus) and mention two formulations along with its ingredients, dose and Anupana useful in its management. 20
5. Write pathogenesis (Samprapti) and symptoms of Mutraghata and write two formulations along with its ingredients, dose and Anupana useful in its management. 20
6. Write short notes on any Two of the following : 20
 - A. Two formulations indicated in Raktavaha Sroto Dushti.
 - B. Sarva Jwarahara Lauha – ingredients, dose, Anupana and indications.
 - C. Rasna Saptaka Kwatha - ingredients, dose and indications.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

M. Pharm(Ayu.) First Year Examination : February-2023

PHARMACOGNOSTIC AND PHYTOCHEMICAL ASPECTS OF AYURVEDIC DRUGS.

Date: 16-02-2023
Thursday

Time: 09:30 A.M. to 12:30 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. A. Discuss on Environmental factors affecting quality of Ayurvedic drugs. 10

B. Write a note on How Gender affecting the quality of Dioecious Ayurvedic drugs. 10

2. Discuss in detail on Plant Bio-enhancers and give the mechanism of Action of it. 20

Discuss in detail on commonly used bio-enhancers of plant origin.

3. Write a short note on followings. 20

- i. Rasayana Drugs
- ii. Drying methods of Herbal Drugs
- iii. Natural herbal colouring agents
- iv. Hepatoprotective Herbal Drugs

4. A. Discuss on method of standardization of polyherbal Ayurvedic churna preparation. 10

B. Write a note on preparation Ayurvedic formulation of Kutajghanvati and Kanyasara. 10

5. Discuss in detail on Quality assessment of followings 20

- i. Kesar
- ii. Honey
- iii. Saral
- iv. Hingu

6. Write short notes on any **Two** of the following : 20

A. Write a note on Application of Tissue culture

B. Shikimik Acid pathway for secondary plant metabolites

C. Enumerate various parameter used for Standardization of Herbal Drugs by WHO and discuss in detail on Total volatile matter.
