

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

M. Pharm(Ayu.) First Year Examination January - 2017

**Advances in Ayurvediya Aushadha Gunadharm Shastra**

Date: 23-01-2017

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 in brief on collection, preservation and storage of raw drugs.
2. Write in brief about Ksharadwaya and Lavana Panchaka.
3. Write about Madanapala Nighantu and Kaiyadeva Nighantu.
4. Write about etymology of Guna, its types, importance and characteristics.
5. Write botanical name, family, properties, part used, substitute and common adulterants of following drugs.
  - A. Ashwagandha.
  - B. Rasna.
  - C. Chitraka.
  - D. Kiratatikta.
6. Write about classification of Dravyas according to classical and contemporary sciences.

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**Clinical and Therapeutic Aspects of Ayurvedic Drugs**

Date: 25-01-2017  
Wednesday

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

Instructions : 1. All questions carry equal marks.

1. Write causes, brief pathogenesis, clinical features and principle of line of treatment of Amavata along with details of three formulations used in its management.
2. Write causes, clinical features and general line of treatment of Diabetes Mellitus along with ingredients and dose of two formulations indicated in its treatment.
3. Write short notes on -
  - A. Ingredients, dose and indication of Vyaghri Haritaki.
  - B. Ingredients, dose and indication of Sarvajvarahara lauha.
  - C. Ingredients, dose and indication of Shankhavati.
  - D. Panchabhautika aspect of Vata, Pitta, Kapha.
4. Mentioning symptoms and types of disease Mutra Krichchhra write detail of any two formulations along with its ingredients and dose used in the treatment of Mutrakrichchhra.
5. Write short notes on -
  - A. Ingredients, dose and Sahapana/Anupana of two formulations used in Sandhigata Vata.
  - B. Ingredients, dose and Anupana/Sahapana of any two formulations used in Jwara.
  - C. Write clinical features of Pranavaha and Rasavaha Srotas vitiation.
  - D. Ingredients, dose and method of preparation of any one formulation used in Hypertension.

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**Pharmacognostic and Phytochemical Aspects of Ayurvedic Drugs**

Date: 27-01-2017  
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 Bio-availability enhancers ? Discuss various uses and principles of working of bio-availability enhancers in various Ayurvedic preparations.
2. Discuss on various herbal colouring and flavouring agents and its commercial utilization.
3. Write a note on occurrence of cancer. Enumerate various plants and Ayurvedic formulations available for treatment of cancer. Discuss any two plants in detail.
4. Define and classify secondary plant metabolites. Discuss in detail on shikmik acid pathways.
5. Write a note on types of barks. Enlist various elements of woods. Discuss the method of isolation of these aliments and principles of isolation of elements.
6. Write a short note on following (any two) -
  - A. Collection of Ayurvedic drugs.
  - B. Anti-inflammatory plant drugs.
  - C. Purification techniques of poisonous plants.

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M. Pharm(Ayu.) First Year Examination January - 2017

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

Date: 28-01-2017  
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. Explain analytical method and validation as quality control tools.
2. Explain theory, instrumentation and application of NMR spectroscopy.
3. Discuss concept of GMP.
4. What is alkaloid ? Write different qualitative test to identify alkaloid. Classify alkaloid. Give different methods of extraction of alkaloid.
5. Explain instrumentation of HPLC in detail and give its application.
6. Write note on any **two**.
  - A. Statistics as a tool to explain data.
  - B. Standardization aspect of Shilajita.
  - C. Write salient feature and importance of GLP.

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M. Pharm(Ayu.) First Year Examination January - 2017

**Pharmacological and Toxicological Aspects of Ayurvedic Drugs**

Date: 30-01-2017  
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. A. Enumerate five Ayurvedic drugs/formulations and evaluation methods for cardio protective activity.  
B. Describe any two models used to screen wound healing property of drugs in detail.
2. A. Enumerate animal models used to screen anti-depressant and anti-anxiety activity of drugs.  
B. Describe any two models to screen hepatoprotective action of drugs.
3. A. Enlist various animal models used to screen Analgesic and Anti-inflammatory activity of drugs.  
B. Write brief note on 'Tail flick test' and 'Writhing test' in details to evaluate analgesic activity of drugs.
4. Describe any **four** models in brief –
  - A. Pyloric ligation-induced ulcer
  - B. Mutagenicity
  - C. Carageenan-induced inflammation
  - D. Acute toxicity test
  - E. Acetic acid induced colitis
5. A. Enumerate the different tests employed to assess sedative and hypnotic activity of drugs. Describe any one model in detail.  
B. Carcinogenicity
6. Name drugs and evaluation methods for Diuretic and Nephroprotective activity. Describe any two models in details.