

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Rasashastra and Bhaishajya Kalpana – IV (Ayurvedic Pharmaceutics)

Date: 14-12-2017

Time: 09:30 A.M. to 12:30 P.M.

Thursday

Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe Takrarista and Kanji⁶ in detail. 10
 2. Explain Malhar Kalpana with an example. 10
- OR**
- How is standardization of herbomineral formulation done ?
3. Write short notes on any **Four** of the following : 20
 - A. Lepaguti.
 - B. Ksharasutra – method of preparation and use.
 - C. Sarjrasa Malhara.
 - D. Shadbindu taila.
 - E. Gomutrasava.
 4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Colour and odour of Saurastri Netrabindu.
 - B. Ingredients and use of Dashanga lepa.
 - C. Dose of Asava-arista kalpana in general.
 - D. What is Uttarabasti ?
 - E. What is Basti ?
 - F. Places where Sandhana kalpana container is kept for fermentation as per ancient method.

SECTION-B

5. Define 'Loha' and 'Dhatu'. Describe Svarna in detail. 10
 6. Enlist Suddha varga dravyas. Describe Shankha and Kukkutanda tvaka. 10
- OR**
- State the method of Tamra Maran, amrutikara, dose, use and formulations.
7. Write short notes on any **Four** of the following : 20
 - A. Svarnabanga.
 - B. Mrgashriga.
 - C. Loha maran.
 - D. Bida Lavan.
 - E. Jaran.
 8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Enlist dravyas of Puti loha.
 - B. Two formulations of Rajat and Banga.
 - C. Praval Shodhan.
 - D. Dose and use of Punarnavadi Mandura.
 - E. Dose and use of Lohasava.
 - F. Colour of Yashada Bhasma and Banga Bhasma.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Dravyaguna –III (Ayurvedic Pharmacology)

Date: 15-12-2017
Friday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Discuss various impurities, purification technique and toxic effect (with its management) of Karveera. 10
2. Discuss controversial aspects of Rasna. 10

OR

What are the reasons for controversy of Murva ?

3. Write short notes on any **Four** of the following : 20
A. Discuss preservation and storage of drugs.
B. Discuss different steps to resolve controversy of medicinal plant.
C. Write Shirovirechana karma in detail.
D. What are the difference between Raktaprasadana and Shonitsthapana ?
E. Define Prajasthapana with suitable examples.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Define Shramahara.
B. What do you mean by controversy ?
C. Write antidote of Vatsanabha and Bhallataka.
D. What do you mean by Vyavayi ?
E. Give two examples of Hikkanigrahana dravyas.
F. Write botanical source, family and toxicity of Snuhi.

SECTION-B

5. Write botanical name, family, rasa panchaka, dosha karma and formulations of Bala and Shankhpushpi. 10
6. Give botanical name, family, synonym, botanical description and part used of Punarnava and Dadima. 10

OR

Write detail description of drug Kapikachhu.

7. Write short notes on any **Four** of the following : 20
A. Panchagavya.
B. Chatusama.
C. Panchapitta.
D. Kshirastaka.
E. Panchasugandhika.
8. Answer any **Five** of the following :(write botanical name, family, virya and single man action) 10
A. Putranjivaka.
B. Chirbilva.
C. Pilu.
D. Karpas.
E. Padmaka.
F. Kaidarya.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Pharmacognosy of Ayurvedic Drugs - III

Date: 16-12-2017
Saturday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Write a note on Volatile oil. Discuss its distillation methods in detail with their advantages and disadvantages. 10
2. Write various methods of extraction of drugs. 10

OR

What do you mean by natural colourant ? Discuss any two drugs in detail to extracts colours.

3. Write short notes on any **Four** of the following : 20
 - A. Give tests to detect alkaloids.
 - B. Enfleurage.
 - C. Explain ignition test for identification of fibres.
 - D. Give only names of exogenous factors affecting crude drugs.
 - E. Explain Dhanyak contain less amount of volatile oil.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. What is mutation ?
 - B. Give botanical source, family and uses of one fibre drug.
 - C. Define Ajowan Ka Phool.
 - D. Give chemical constituents and uses of Devdaru.
 - E. What is blown cloves ?
 - F. Give the name of Ela verities.

SECTION-B

5. Give detail account on Cancer. What is the role of Ayurved to treat them ? 10
6. Give solubility and identity of Resin and discuss isolation of Resin with suitable example. 10

OR

What do you mean by toxic plants ? How they are categorized ? Explain with suitable examples.

7. Write short notes on any **Four** of the following : 20
 - A. Discuss insecticides and rodenticides.
 - B. Discuss plants as functional food in nutraceutics.
 - C. Give detail account on hallucinogens.
 - D. Write deposition of resin in plant tissues.
 - E. Differentiate Kulinjan and Vacha rhizome.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Define Probiotic.
 - B. Give biological sources, family and uses of Vijaya.
 - C. What is Resin ?
 - D. Name any two plants that cure cancers.
 - E. Define herbicides.
 - F. Give biological sources and chemical constituents of Jatamansi.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Pharmaceutical Analysis of Ayurvedic Drugs –III

Date: 18-12-2017
Monday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Discuss G.L.P in detail. 10
2. Give standardisation protocol for 'Ushirasava' in detail. 10

OR

Explain classical parameters to judge the quality of bhasma preparation in detail.

3. Write short notes on any **Four** of the following : 20
A. What is the importance of Iodine value ? How it is carried out ?
B. Standardization parameters for tablets.
C. Describe process standardization with suitable example.
D. Determination of alcohol control from 'Jeerkadhyarishta'.
E. Refractive index of Phalaghrita.
4. Answer any **Five** of the following :(two to three sentences) 10
A. Classical parameters for ayuleha preparation.
B. Acid value.
C. Monograph.
D. Standard.
E. Validation.
F. Define Q.C. according to WHO GMP.

SECTION-B

5. What is the importance of G.M.P. in Ayurveda ? When it is implemented ? 10
Describe G.M.P. in detail.
6. Explain the principal and working of A.A.S. with diagram. 10

OR

Differentiate between Q.C. and Q.A. Explain the concept of quality assurance in brief.

7. Write short notes on any **Four** of the following : 20
A. Different methods of estimation of fat in milk.
B. Different types of stores according to G.M.P.
C. Estimation of Nitrogen content from TEA leaves.
D. What is T.M.S. ? Why it is used as a reference standard ?
E. Estimation of reducing sugar from honey sample.
8. Answer any **Five** of the following :(two to three sentences) 10
A. Fiehe's test.
B. H.C.L.
C. Identification test for an un-boiled milk.
D. What is ISO ?
E. Total space requirement according to G.M.P.
F. B.M.R.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Pharmacology & Toxicology of Ayurvedic Drugs -II

Date: 19-12-2017
Tuesday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Describe pathophysiology of congestive failure and name drugs which are used for congestive cardiac failure. 10
2. Classify antihypertensive drugs. Write their mechanism of action. 10

OR

What is cough ? Write mechanism of action of drugs used for treatment of cough.

3. Write short notes on any **Four** of the following : 20
 - A. Bronchodilators
 - B. Role of nitrates in angina pethoris.
 - C. Digitalis
 - D. Haematinics
 - E. Diuretics
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Name two anticoagulants.
 - B. Name two antiplatelet agents.
 - C. Ayurvedic drugs for anaemia.
 - D. Ayurvedic drugs as analgesics.
 - E. Name two oral iron preparations.
 - F. What is demulcent ?

SECTION-B

5. Classify antifungal drugs. Write mechanism of action of amphotericin-B. 10
6. Classify fluroquinolines, Write their mechanism of action. 10

OR

7. Write short notes on any **Four** of the following : 20
 - A. Penicillins.
 - B. Antiviral drugs.
 - C. Glucocorticoids.
 - D. Anti-thyroid drugs.
 - E. Metronidazole.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Name two hormones of anterior pituitary.
 - B. What is antiseptic ?
 - C. Name two drugs used for chloroquine resistant malaria.
 - D. Name two antirheumatic drugs used in Ayurveda.
 - E. Write mechanism of action of aspirin.
 - F. Name two immune suppressants.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Pharmaceutical Technology of Ayurvedic Drugs - II

Date: 20-12-2017
Wednesday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. How can you discriminate product texture between cosmetic & ISM drug product? 10
2. Answer any one out of two questions. 10
 - A. Discuss different types of stability protocol for finished product.
 - B. Discuss coating as product finishing tool.
3. Write a short note on any **Four** of the following : 20
 - A. Packaging and storage condition for pills and lozenges.
 - B. Powder flow characteristics as formulation steps.
 - C. Manufacturing procedure its importance in GMP.
 - D. Shampoo.
 - E. Face powder.
4. Answer any **Five** of the following : (two to three sentences) 10
 - A. Quality control of tablet.
 - B. Skin creams.
 - C. Reporting responsibilities.
 - D. ICH guideline.
 - E. pKa, temperature as preformulations.
 - F. Molecular optimization.

SECTION-B

5. Discuss concept of NDDS as concept design and evolution method. 10
6. Answer any one out of two questions. 10
 - A. Solid unit dosage form in Ayurvedic practice.
 - B. Semi solid dosage form in Ayurvedic practice.
7. Write a short note on any **Four** of the following : 20
 - A. Colon targeted as NDDS.
 - B. Describe features for externally used liquids.
 - C. Solvent evaporation and polymerization.
 - D. Test for evolution of container.
 - E. Rubber as material for packaging.
8. Answer any **Five** of the following : (two to three sentences) 10
 - A. Buccal and mucoadhesive.
 - B. Polymerisation.
 - C. Implants and inserts.
 - D. Respiratory delivery system.
 - E. Test for evolution of container.
 - F. Parental advantages and disadvantages.

GUJARAT AYURVED UNIVERSITY, JAMNAGAR

B. Pharm(Ayu.) Final Year Examination : December - 2017 (NEW SYLLABUS)

Forensic Pharmacy and Pharmacy Management

Date: 21-12-2017
Thursday

Time: 09:30 A.M. to 12:30 P.M.
Marks: 100

- Instructions: 1. Every question is compulsory.
2. Every question bears the marks written on the right side.

SECTION-A

1. Give the composition and functions of Pharmacy Council of India under Pharmacy Act. 10
2. Write in detail about NPS Act and Rules. Describe the procedure for Searches, Seizures and Arrests. 10

OR

Explain the salient features of Drugs and Magic Remedies Acts and Rules.

3. Write short notes on any **Four** of the following : 20
 - A. Pharmaceutical legislation in India.
 - B. Repacking Licence.
 - C. Define patent. What are rights of patents ?
 - D. Definition and scope of forensic pharmacy.
 - E. Define Pharmacovigilance and its scope.
4. Answer any **Five** of the following :(two to three sentences) 10
 - A. Schedule E1.
 - B. Misbranded Drugs.
 - C. Registration of Pharmacist.
 - D. Duties of Drug Inspector.
 - E. Schedule N.
 - F. Advertisement.

SECTION-B

5. Write the various functions of Marketing. Discuss in detail about distribution policies and sales promotion policies. 10
6. Elaborate on objective, concept and principles of management. 10

OR

Discuss the role of Medical Sales Representatives in the promotion of Pharmaceutical products.

7. Write short notes on any **Four** of the following : 20
 - A. Source of Recruitment.
 - B. Quality control.
 - C. Functions and importance of Staffing.
 - D. Explain the principles of sales promotion.
 - E. Explain the process of financial marketing.
8. Answer any **Five** of the following :(two to three sentences) 10
 - A. Sampling.
 - B. Differentiate market and marketing.
 - C. Write briefly about primary factors in plant location.
 - D. Define advertisement.
 - E. Types of Leadership.
 - F. Detailing.
