

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

B. Pharm(Ayu.) Second Year Examination May-2014

Dispensing, Community Pharmacy and Hospital Pharmacy

Date: 22-05-2014
Thursday

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

Instruction : Every question is compulsory.

SECTION - A

1. Write in detail about maintenance and practice of good hygienic conditions.
2. Write about the incompatibilities of prescription.

OR

Explain the scope of posology.

3. Answer any any four of the following -
 - A. Explain the advantages and disadvantages of metal containers.
 - B. Explain about the types of closures.
 - C. Explain procedure adopted for dispensing of Asava and Arishta.
 - D. Role of pharmacist in patient counselling.
 - E. Explain the functions of a retailer.
4. Answer any any five of the following -
 - A. What do you mean by the term 'prescription' ?
 - B. Define the term 'posology'.
 - C. Write label for Kwatha Churna.
 - D. Explain term closures.
 - E. What does the term 'Superscription' mean ?
 - F. Define tinctures.

SECTION - B

5. Describe labeling, packaging and storage of capsules.
6. Write about surgical equipments.

OR

Write about sterilization by radiation.

7. Answer any any four of the following -
 - A. Write about drug distribution system in hospital.
 - B. Define term 'Clinical Pharmacy'.
 - C. Advantage and disadvantages of capsules.
 - D. Explain processing of tablets.
 - E. Write about drug distribution through - basket and mobile type of dispensing units.
8. Answer any any five of the following -
 - A. Define term 'Hospital'.
 - B. What is autoclave ?
 - C. Define term 'Dispensing Pharmacy'.
 - D. Define term 'Elixirs'.
 - E. Explain the term sterilization.
 - F. Give the names of two materials sterilized by liquid.

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B. Pharm(Ayu.) Second Year Examination May-2014

Pharmacognosy of Ayurvedic Drugs - I

Date: 23-05-2014
Friday

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

- Instructions : 1. Every question is compulsory.
2. Draw suitable diagrams wherever necessary.

SECTION-A

1. What are polysaccharides ? Discuss the preparation of honey. Mention its chemical composition, purity test and uses. 10
2. How crude drugs are classified Alphabetically and Chemically ? Explain with suitable examples. 10

OR

Give an account on history, definition and scope of Pharmacognosy with special reference to Indian System of Medicine.

3. Answer any **Four** of the following : 20
- A. Galo Satva
B. Chemotaxonomic Classification.
C. Purity test and Uses of Babul Gum.
D. Preparation of Aloe and its uses.
E. Estimation of Mucilage and its uses.
4. Answer any **Five** of the following : 10
- A. Ghatti Gum.
B. Chandrashura.
C. Gokshura
D. Mocharas
E. Karaya gum.
F. Kokilaksha.

SECTION-B

5. What are cynogenic glycosides ? Describe tests to detect them. Write an account on Padmakasta. 10
6. What are flavonoides ? Describe tests to detect them. Write an account on Kalamegha. 10

OR

Define Substitutes and Adulterants. Discuss with suitable examples how they are detected.

7. Answer any **Four** of the following : 20
- A. Classification of glycosides.
B. Estimation of Saponins.
C. Estimation of Bitters.
D. Brahmi – Mandukaparni.
E. Mention the tests for identification of Coumarins and their uses.
8. Answer any **Five** of the following : 10
- A. Manjista.
B. Katuki.
C. Aristaka.
D. Chakramarda.
E. Trayaman.
F. Palash.

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B. Pharm(Ayu.) Second Year Examination May-2014

Ayurvediya Aushadha Nirmana Shastra – II

Date: 24-05-2014

Saturday

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

Marks: 100

- Instructions : 1. Every question is compulsory.
2. Draw suitable diagrams wherever necessary.

SECTION-A

1. Write preparation method of Guggulu kalpana, storage and packing. 10
 2. Describe the Avaleha paka pariksha. 10
- OR**
- Define Churna and write about Hingvastak churna.
3. Answer any **Four** of the following : 20
 - A. Mustakadi Pramathya.
 - B. Sharkara.
 - C. Guduci satva.
 - D. Preparation method of Vasa avaleha.
 - E. Drakshadi gutika.
 4. Answer any **Five** of the following : 10
 - A. Use of Sitopaladi churna.
 - B. Ingredient of Triphala Guggulu.
 - C. Saveeryata avadhi of avaleha kalpana.
 - D. Dose of Sanshamani Vati.
 - E. Chief ingredient of Chyavanprasha avaleha.
 - F. Shelf life of Churna kalpana.

SECTION-B

5. Name the Maharasa and describe any one in detail. 10
 6. Write about Patan Samskara of Parada. 10
- OR**
- Define Kajjali and describe its pariksha.
7. Answer any **Four** of the following : 20
 - A. Shweta parpati.
 - B. Makshika shodhan.
 - C. Laghu Vasantmalti rasa.
 - D. Marana.
 - E. Define Kharaliya rasayana and describe any one.
 8. Answer any **Five** of the following : 10
 - A. English name of Abharaka.
 - B. General dose of Parpati kalpana.
 - C. Anupana of Rasa parpati.
 - D. Two formulations of Shilajita.
 - E. Lohitkarana is done particularly for which bhasma?
 - F. Types of Shilajita.

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B. Pharm(Ayu.) Second Year Examination May-2014

Ayurvediya Aushadha Gunadharma Shastra – II

Date: 26-05-2014
Monday

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

- Instructions : 1. Every question is compulsory.
2. Draw suitable diagrams wherever necessary.

SECTION-A

1. Write an essay on Madanapal Nighantu. 10
2. Explain the role of Samhitas and Nighantus in the development of Dravyaguna Shastra. 10

OR

Give a brief review on a basis of nomenclature and synonyms of drugs.

3. Answer any **Four** of the following : 20
 - A. Write name and Gunakarma of two drugs of Shaka Varga.
 - B. Explain the importance of Krutana Varga Dravyas.
 - C. Write a note on Panchavalkala.
 - D. What is Mahasneha ? Explain it.
 - E. Write about Puga Phala.
4. Answer any **Five** of the following : 10
 - A. Write Gunakarma of Mansa Dravya as Ahara.
 - B. What is Katugandhi Chatuskam ? Write it.
 - C. Write the name of two drugs having vitamin – C.
 - D. What is the role of old Dhanya in Rogavastha ?
 - E. Write about the utility of leafy vegetables in daily diet.
 - F. What is Kshiratraya ? Write it.

SECTION-B

5. Explain the Dravya Lavanga in detail. 10
6. Write an essay on Kasturi. 10

OR

Describe Rasana.

7. Answer any **Four** of the following : 20
 - A. What is the role of Kharjura to maintain the health ? Explain it.
 - B. Write a note on Murva.
 - C. Write therapeutic uses of Kutaja.
 - D. Describe properties, Doshakarma, action, part used and dosage of Arka.
 - E. What is Maharasa ? Write its origin and types in detail.
8. Answer any **Five** of the following : 10
 - A. Write Latin name, family, Virya and Vipaka of Ashvatha.
 - B. Write Rasapanchaka of Sunthi.
 - C. Write purification method of Langali.
 - D. Write four synonyms of Yashtimadhu.
 - E. Explain genuineness method of Ghrita.
 - F. Write pharmacological action of Tagara.

Pharmaceutical Chemistry – II (Analysis of Ayurvedic Drugs)Date: 19-05-2014
MondayTime: 09:30 A.M. to 12:30 P.M.
Marks: 100

Instruction : Every question is compulsory.

SECTION - A

1. Discuss sampling method applicable in oil sample. 10
2. What are the type of components that are saponifiable ? Discuss method of saponification. 10

OR

Why sample preparation is necessary in metallic samples. Discuss gravimetric in metallic samples. Discuss gravimetric analysis of Tin.

3. Answer any four of the following - 20
 - A. Explain Arsenic estimation in sample.
 - B. Why refraction is measured at 40° c. in oils and fats ?
 - C. Can Iodine value is measured using Bromine as reagent ? Explain the method.
 - D. Qualitative test for volatile oil.
 - E. Explain saponification value as parameters.
4. Answer any five of the following - 10
 - A. RMPK value.
 - B. Volatile oil content.
 - C. Concentration units.
 - D. Acid value.
 - E. Ash Value.
 - F. Acid in soluble Ash.

SECTION - B

5. Discuss different physico-chemical parameter and their importance in drug analysis. 10
6. Discuss analytical profile of Asava and Arishta preparation. 10

OR

Analytical profile for Avaleha and Paka preparations.

7. Answer any four of the following - 20
 - A. Explain refractive index as applicable parameters for oil and fermented product.
 - B. Discuss disintegration time of tablets.
 - C. Discuss specific gravity, foreign matter and total solids as parameter.
 - D. Explain importance of sugar analysis with method.
 - E. How fluorescence analysis is useful in drugs analysis ?
8. Answer any five of the following - 10
 - A. Determination of Moisture.
 - B. Iodine value.
 - C. Hardness of tablet.
 - D. Estimation of Iron.
 - E. Extractive value.
 - F. Total solids.

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B. Pharm(Ayu.) Second Year Examination May-2014

Physical Pharmacy and Pharmaceutics

Date: 20-05-2014
Tuesday

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

- Instructions : 1. Every question is compulsory.
2. Draw suitable diagrams wherever necessary.

SECTION-A

1. Discuss standard free energy and the equilibrium constant. 10
2. Describe the factors which govern the rate of a chemical reaction. 10

OR

Explain phase equilibria and phase rule.

3. Answer any **Four** of the following : 20
A. Explain ideal and real solutions.
B. Discuss permanent dipole moment of a polar molecule.
C. Partition of solute between two immiscible liquids.
D. Define term 'stability' of a pharmaceutical. How it is quantified ?
E. Narrate various concentration expressions.
4. Answer any **Five** of the following : 10
A. Molecularity.
B. Sublimation.
C. Polymorphism.
D. Optical activity.
E. Enthalpy.
F. Energy of activation.

SECTION-B

5. Explain non-newtonian type of flow with rheograms mechanisms and suitable 10
examples.
6. Describe one experimental method for determining the zeta potential of colloids. 10

OR

Describe any two methods to determine the weight distribution of particles in a powder.

7. Answer any **Four** of the following : 20
A. Describe Andreasen pipette method of analysing the particle size.
B. Define intrinsic viscosity. What are its applications ?
C. Describe the process of detergency.
D. Deduce an equation for the determination of interfacial tension using DuNony method.
E. Effect of temperature and pressure on solubility.
8. Answer any **Five** of the following : 10
A. Define 'HLB' ? Enlist one method to determine the same.
B. Cone plate viscometer.
C. Define lyophobic colloids. Give two examples.
D. Anti-thixotropy.
E. Osmosis.
F. List the kinetic properties of colloids. What are its applications ?
