

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

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

Ayurvediya Aushadha Gunadharm Shastra – II

Date: 22-11-2014
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. Describe the importance of ShakaVarga as medicine. 10
2. Explain the principles of plant nomenclature in Dravyaguna Shastra. 10

OR

Discuss the importance of Bhavaprakasha Nighantu in present era.

3. Answer any **Four** of the following : 20
A. Describe Panchakshiri Vruksha.
B. Write the ancient period of Dravyaguna Shastra.
C. Compare Ahara Varga and Aushadha Varga.
D. Write the classification tools of Dravyas mentioned in Raja Nighantu.
E. Describe the Gunakarma of all four Sneha Dravya from Mahasneha.
4. Answer any **Five** of the following : 10
A. Write the name of four Ahara and Aushadha Dravyas having vitamin – C.
B. Write the qualities of Godhuma.
C. Write short note on : Kshiratraya.
D. Write the ingredients of Shadushana.
E. Introduce the author of Madanapala Nighantu.
F. Give short description of two Shuskha Dravya.

SECTION-B

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

OR

Describe any five Vanaspatika Dravya which frequently used as kitchen remedies.

7. Answer any **Four** of the following : 20
A. Write short note on : Chapala.
B. Write the therapeutic indications and properties with two formulations of Pravala.
C. Write the botanical name and synonyms of Vata, Udumbara, Ashwata, Plaksha and Parisha.
D. Write the varieties, habitat and substitute of Daruharidra and Murva.
E. Describe family characters of Umbelliferae with five examples.
8. Answer any **Five** of the following : 10
A. Which are the chemical components of Snuhi.
B. Write the Vanaspatika Swarupa of Bijapura, Chavya, Kapittha and Langali.
C. Write the Rasapanchaka of Udumbara.
D. Write the part used of Yavani, Nimba, Shigru and Jambu.
E. Write two formulations of Jati and Patola.
F. Write short botanical description of Arka.

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JAMNAGAR

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

Ayurvediya Aushadha Nirmana Shastra – II

Date: 21-11-2014
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. Write about Chyvanaprasha Avaleha in detail. 10
2. Describe the types of Churna and write about Dashansamskar churna. 10

OR

Mention types of Vati and describe Lavangadi vati.

3. Answer any Four of the following : 20
A. Gulab sharkara.
B. Sanshamani vati.
C. Ghan kalpana.
D. Panaka.
E. Triphala guggulu.
4. Answer any Five of the following : 10
A. General dose of Churna Kalpana.
B. Dose of Mustakadi Pramathya.
C. Ingredients of Sitopaladi churna.
D. Use of Vasa avaleha.
E. Packing of Churna kalpana.
F. Use of Vyoshadi vati.

SECTION-B

5. Describe Abharka in detail. 10
6. Define Parpati and describe its Trividha paka pariksha. 10

OR

Name the Asta samskara of Parada and describe any two Samskara.

7. Answer any Four of the following : 20
A. Describe any one method of Hingulottha Parada.
B. Tribhuvankirti rasa.
C. Kajjali.
D. Shilajita.
E. Makshika.
8. Answer any Five of the following : 10
A. Use of Shweta parpati.
B. Why is Hingulottha Parada named so ?
C. Give two formulations of Makshika.
D. Apunarbhav pariksha.
E. Uses of Rasa parpati.
F. Ingredients of Laghuvasantmalati Rasa.

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

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

Pharmacognosy of Ayurvedic Drugs - I

Date: 20-11-2014
Thursday

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. Give detail classification of Crude drugs with special reference to Morphological and Pharmacological classification with suitable examples. 10
2. Define Carbohydrates, classify them according to their number of Carbon atoms, chemical tests and uses. 10

OR

Give an account on Primary and Secondary Plant Metabolites and their uses.

3. Answer any Four of the following : 20
- A. Chemical Classification of Crude drugs.
B. Preparation of Aloes and Uses.
C. Mocharasa.
D. Extraction of Babul niryas, its chemical test of identity and uses.
E. Galo Satva.
4. Answer any Five of the following : 10
- A. Kokilaksha.
B. Brihat Gokshura.
C. Gum Ghatti.
D. Chandrashura.
E. Guar.
F. Methika.

SECTION-B

5. Define glycosides. Classify them. Give an account on Bitter glycosides with suitable examples and uses. 10
6. Give detail account of evaluation of Crude drugs as mentioned in Ayurvedic Pharmacopoeia. 10

OR

What are Saponins ? Give various tests for their identify. Mention the therapeutic uses of Chopachinni and Aristaka.

7. Answer any Four of the following : 20
- A. Anthraquinones and their uses.
B. Significance of Pharmacopoeias.
C. Test for cardiac glycosides & uses.
D. Coumarines.
E. Test for Bitters and uses.
8. Answer any Five of the following : 10
- A. Guduchi.
B. Digitalis.
C. Satavari.
D. Durlabha.
E. Bakuchi.
F. Vanapalandu.

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

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

Dispensing, Community Pharmacy and Hospital Pharmacy

Date: 19-11-2014
Wednesday

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 is community health care and education ? Describe the contribution of pharmacist in it. 10
2. What is drug retail store ? Describe the functions of retailers. 10

OR

Write an essay on counselling of the patients.

3. Answer any **Four** of the following : 20
A. What is the prescription ? explain subscription.
B. Explain term antagonism.
C. Describe pharmacovigilance.
D. What care should be taken for dispensing of Ayurvedic drug mixtures ?
E. Define Posology.
4. Answer any **Five** of the following : 10
A. What is incompatibility ?
B. Write the label for tablet.
C. Enlist types of containers used for Asavarishta.
D. Define the term tolerance.
E. Define the term prescription.
F. Write the label for Abhraka Bhasma.

SECTION-B

5. Write in brief about processing of tablet. 10
6. What is sterilization ? Explain it. 10

OR

What are the utility of drug records and drug reports.

7. Answer any **Four** of the following : 20
A. What is dressing ? Explain it.
B. Describe basket style drug distribution system in hospital.
C. Write about percolation method for syrup preparation.
D. Explain autoclave.
E. Describe hospital pharmacy.
8. Answer any **Five** of the following : 10
A. Define term tincture.
B. Write use wise classification of tablets.
C. Define term closure.
D. Mention name of any two types of dressings.
E. Write classification of hospital.
F. Define surgical bandages.

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

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

Physical Pharmacy and Pharmaceutics

Date: 18-11-2014
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. Derive an equation to show that the half-life is independent of concentration in a first order reaction. 10

2. Narrate order of reaction and how it is useful in pharmacy? 10

OR

Describe boiling point and freezing point determination and vapour pressure of non-ideal solutions.

3. Answer any Four of the following : 20

- A. Osmosis and osmotic pressure.
- B. Phase equilibrium.
- C. Solubility.
- D. Dielectric constant and dipole moment.
- E. Refractive index.

4. Answer any Five of the following ; 10

- A. Partition co-efficient.
- B. Pseudo first order reactions.
- C. Energy of activation.
- D. Optical activity.
- E. Concentration units.
- F. Sublimation.

SECTION-B

5. Enumerate the derived properties. How are they be evaluated? 10

6. Describe any three methods of preparation lyophobic colloids. 10

OR

Describe the process of detergency.

7. Answer any Four of the following : 20

- A. Particle and powder characteristics.
- B. Spreading coefficient.
- C. Factors influencing the viscosity.
- D. Lyophobic colloids.
- E. List the effects of mixing different types of colloids.

8. Answer any Five of the following : 10

- A. Coagulation.
- B. Anderson apparatus.
- C. Define porosity. What are its applications in pharmacy?
- D. Define thixotropy. Draw a thixotropic curve for a plastic flow.
- E. Falling sphere viscometer.
- F. Cationic surfactant.

GUJARAT AYURVED UNIVERSITY

JAMNAGAR

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

Pharmaceutical Chemistry – II (Analysis of Ayurvedic Drugs)

Date: 17-11-2014
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. Describe sampling with its importance. How will you sample the herbs having batch size more than 100 kg and less than 100 kg ? 10
2. Describe qualitative and quantitative method for mercury in sample of Parada. 10

OR

Enumerate calcium containing formulations in Ayurveda and describe the method for estimation of calcium in them.

3. Write short note on any **Four** of the following : 20
 - A. Refractive index.
 - B. Water soluble extractive value.
 - C. Saponification value.
 - D. Acid insoluble ash.
 - E. R.M.P.K. values.
4. Answer any **Five** of the following : 10
 - A. Specific gravity.
 - B. Qualitative test for copper.
 - C. Define acid value.
 - D. Qualitative test for iron.
 - E. Describe flame test for selected elements.
 - F. Enlist the formulations containing minerals and metals in Ayurveda.

SECTION-B

5. Describe Asava preparation ? Explain generation and estimation of alcohol in Asava. 10
6. What is Paka preparation ? Explain following parameters for standardization of Paka preparation : 10
 - i. Water soluble extractive
 - ii. Moisture contain
 - iii. Volatile oil
 - iv. Ash value.

OR

Define ash value. Write down the procedure and significance of acid insoluble and water soluble ash in detail.

7. Write short note on any **Four** of the following : 20
 - A. Give classical methods of analysis of Bhasma in brief.
 - B. Discuss role of lead acetate and sodium oxalate in sugar estimation.
 - C. What is foreign matter ? Write the procedure for foreign matter determination.
 - D. pH value.
 - E. Name different types of sugars and which types of sugar can be estimated by Fehling's method. Why ?
8. Answer any **Five** of the following : 10
 - A. Total solid content.
 - B. Hardness test for tablets.
 - C. Write two volatile oil contain Asava.
 - D. Fluorescence analysis.
 - E. Enumerate classical Paka Pariksha methods.
 - F. Iodine value.