B. Pharm(Ayu.) Second Year Examination : April - 2016

Rasashastra & Bhaishajya Kalpana - II (Ayurvedic Pharmaceutics)

Date: 18-04-2016

Time: 02:30 P.M. to 5:30 P.M.

Mon	day Marks: 100	
ln	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
1.	Explain the different stages of Avaleha Kalpana. Write the preparatory method, dose and use of Chyavanaprasha.	10
2.	 Answer any one out of two questions. A. Describe the preparatory method of Sharkara Kalpana with Paka Pariksha, storage and shelf life. B. Describe the synonyms, types and preparatory method of Vati Kalpana. 	10
3.	 Write a short note on any Four of the following: A. Hingvashtaka Churna. B. Explain the types of Churna Kalpana according to modern pharmaceutics. C. Describe the precaution while taking Guggulu Kalpana. D. Samshamani Vati. E. Describe the types, preparation method and use of Varti Kalpana. 	20
4.	Answer any Five out of six questions: A. Shelf life of Panaka Kalpana. B. Dose of Guduchi Satva. C. Ingredients of Triphala Guggulu. D. Use of Drakshadi Gutika. E. Gudapaka Pariksha. F. Shankhapushpi Sharkara – ingredients and use.	10
	SECTION-B	
5.	Describe Shilajit in detail.	10
6.	Write any one out of two questions:A. Write the Shodhana and Marana process of Maharasa Dravya.B. Hingulottha Parada.	
7.	 Write a short note on any Four of the following: A. Dhanyabhraka. B. What is Shodhana? Describe its importance. C. Write short notes on Amritikarana and Satvapatana. D. Describe any two Samskara of Parada. E. Trividha Parpati Paka Pariksha. 	20
8.	Answer any Five of six questions: A. Abhraka Bhasma Pariksha. B. Write Rekhapurna examination with its importance. C. Enlist the names of Ashta Samskara of Parada. D. Rasa Parpati – dose and use. E. Kajjali – ingredients and use. F. Give two formulations of Tuttha.	10

B. Pharm(Ayu.) Second Year Examination : April - 2016

Dravyaguna - I

Time: 02:30 P.M. to 5:30 P.M.

Marks: 100

Date: 19-04-2016

Tuesday

In	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
1.	Mention importance of Dravyaguna Vigyana in present era.	10
2.	Answer any one out of two questions. A. Write action of Sharira Guna on Dosha ad Mala. B. Give detail description of Rasayana and Vajikarana Karma.	10
	 Write a short note on any Four of the following: A. Write about tools regarding classification of Dravya. B. Vipaka. C. Compare Dipana nad Pachana Karma with examples. D. Define Ahara Dravyas and Aushadha Dravya. E. Give detail description of Katu Rasa. 	20
4.	Answer any Five of the following: A. Write about Panchabhautika Samgathana of Virechana Karma. B. Give two examples having Amla Vipaka. C. Enlist any two Prabhavajanya Karma. D. Give two examples of Chakshushya Dravya. E. Enlist any two Dravyas having Kashaya Rasa. F. Give four examples of Anushna Veerya.	10
	SECTION-B	
5.	Describe Haritaki in detail.	10
6.	 Answer any one out of two questions. A. Write about five Dravyas which act through Prabhava with their Botanical name and family. B. Write botanical name, family, part used and main action of Japa, Nala, Nill, Mundi and Vata. 	10
7.	Write a short note on any Four of the following:	20
	 A. Any two Dravyas from Leguminoseae family. B. Vidari Kanda. C. Shadushana. D. Yashtimadhu. E. External morphological description of Vijaysara with its habitat. 	
8.	Answer any Five of the following: A. Write dose and two formulations of Ashoka. B. Write ingredients of Trimada. C. Write Rasa Panchaka of Gambhari. D. Chemical composition of Musta. E. Write about varieties of Tulsi. F. Write four synonyms of Kantakari.	10

B. Pharm(Ayu.) Second Year Examination : April - 2016

Pharmacognosy of Ayurvedic Drugs - I

Date: 21-04-2016

Time: 02:30 P.M. to 5:30 P.M.

hursday	Marks: 100		
Instru	actions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.		
	SECTION-A		
1. De	escribe Spematophy to in detail with suitable examples.	10	
	 Answer any one out of two questions. A. Describe the diagnostic characters of Malvaceae family and give morphological characters of any one medicinal plant belongs to it. 		
A. B. C.	Discuss raceme and verticillaster inflorescence with suitable examples. Explain basal and free central placentation in detail. Discuss minerals as a source of drug.	20	
A. B. C. D.	Give the Botanical name and family of Bala What is artificial drying? Define Root. What is binomial nomenclature?	10	
	SECTION-B		
5. G	ive an account on Ayurvedic system of medicine.	10	
6. W	rite any one out of two questions: Explain microscopic and chemical classification with suitable examples.	10	
A B	different drugs. Explain morphological classification with suitable examples. Discuss scope of pharmacognosy in detail. Write note on xylem elements.	20	
8. A B C D E	 Define stone cells. What do you mean by starch? Define Phaemacognosy. Give biological scource, chemical constituents and uses of Tragacanth. 	10	

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GUJARAT AYURVED UNIVERSITY, JAMNAGAR B. Pharm(Ayu.) Second Year Examination : April - 2016

Pharmaceutical Biochemistry

Date: 22-04-2016

Friday

Time: 02:30 P.M. to 5:30 P.M.

Marks: 100

Įn	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
1.	Define Lipids. Classify Lipids.	10
2.	 Answer any one out of two questions. A. Which are the criteria of defining a cell. Give the structural and functional aspects of any five cell organelles. B. Explain the significance of DNA packaging and describe in brief its structure. 	10
3.	Answer any Four out of five questions: A. What is uncompetitive inhibition? Give suitable examples. B. Write a short note on ultra centrifuge. C. Write short note on folic acid. D. Explain the separation of different lipoproteins. E. What is oxidative stress? Which are the naturally occurring anti-oxidants?	20
4.	Answer any Five out of six questions: A. What is cell theory? B. Explain osmosis. C. Define Katal and turnover number. D. Mention any four nucleotides that act as coenzyme. E. What is hyperparathyroidism? F. Draw a labelled diagram of mitochondria.	10
	SECTION-B	
5.	Describe β oxidation of even chain fatty acids and its regulations.	10
6.	 Write any one out of two questions: A. What are the various bio-chemical roles of calcium? B. What are Ketone bodies? What are the effects of increased levels of Ketone bodies in body? 	10
7.	Answer any Four out of five questions:	20
	 A. Write a short note on Kwashiorkar. B. Describe phase - I reaction of biotransformation. C. Explain significance of urea cycle. D. Write short note on fats as a Macronutrients. E. Enlist food resources and mention RDA values of fat soluble vitamins. 	
8.	Answer any Five of six questions: A. Define hypertrophic and hyperplastic obesity. B. Why ETC and Oxidetive Phosphorylation process are called coupled rxus?	.10
	C. Which are the hallmarks of type – II D.M.? D. How do heavy metals enter our body?	

B. Pharm(Ayu.) Second Year Examination : April - 2016

Physical Pharmacy and Pharmaceutics

Date: 23-04-2016

Saturday

Time: 02:30 P.M. to 5:30 P.M.

Marks: 100

Īn	nstructions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.		
	SECTION-A		
1.	Narrate order of reaction and its importance in pharmacy.	10	
2.	 Answer any one out of two questions. A. What is viscosity? Discuss factor affecting viscosity and methods to determine viscosity. B. Explain methods of determination of boiling point and freezing point. 		
3.	 Write a short note on any Four of the following: A. Difference between half-life and shelf life. B. Enthalpy and entropy. C. Kirchoff's reaction. D. Refractive index. E. Osmosis and osmotic pressure. 	20	
4.	Answer any Five of the following: A. Adiabatic process. B. Immiscible liquids. C. Types of solutions. D. Concentration unit. E. Sublimation. F. Dipole moment.	10	
	SECTION-B		
5.	Describe any three methods of preparation of lyophobic colloids.	10	
	 Answer any one out of two questions. A. Discuss various methods to determine surface tension. B. Define suspension. Discuss types advantages and disadvantages of suspension. 	10	
7.	 Write a short note on any Four of the following: A. Spreading coefficient. B. Application of surface active agent. C. Flocculated and deflocculated suspension. D. Partical size and powder characteristics. E. CMC and Kraft point. 	20	
8.	 Answer any Five of the following: A. Interface. B. Thixotropy. C. Brownian motion. D. Bulk density. E. Eutectic mixture. F. Porosity. 	10	

B. Pharm(Ayu.) Second Year Examination : April - 2016

Pharmaceutical Analysis of Ayurvedic Drugs - I

Date: 25-04-2016

D.

Water extractive parameters.

Sugar content.

Quantitative estimation of chloride and sulphate.

	:: 25-04-2016 iday _	Time: 02:30 P.M. to 5:30 P.M. Marks: 100	
In	astructions: 1. Every question 2. Every question	is compulsory. bears the marks written on the right side.	
		SECTION-A	
1.	Discuss oils and fats classific	cation with important analytical parameters.	10
2.	Answer any one out of two q A. Discuss analysis parame B. Sampling methods for li	eters for powder drugs preparations.	10
3.	B. Instruments used for phyC. Moisture in solid sampleD. Differential disintigration	lue and peroxide value in oils. ysical methods of analysis.	20
4.	 Answer any Five of the follows. A. Water soluble Ash. B. Friability. C. Fluorescence analysis. D. Total solid in Avaleha p. E. Weight variation test for F. Specific gravity. 	reparation.	10
		SECTION-B	
5.	Discuss different methods of	analysis for metallic and mineral preparations.	10
6.	_	questions. al parameters for preparation with fermentation. parations with heat exposure and additional sugar load.	10
7.	B. Differentiate Kshara andC. Analysis of powder drug	tive estimation of lead containing drugs. d Bhasma. gs with heat exposure. when sample treated with weak acids.	20
8.	Answer any Five of the followard. A. Qualitative tests for phosphere. B. Consistency characterists. C. Volatile oil in Ayurvedia.	sphate and arsenic. tics in Avaleha and Paka preparations.	10

B. Pharm(Ayu.) Second Year Examination : April - 2016

Pharmaceutical Microbiology

Date:	26-04	2016
Tuesd	ay	

Time: 02:30 P.M. to 5:30 P.M.

Marks: 100

Instructions: 1. Every question is compulsory.

2. Every question bears the marks written on the right side.

SECTION-A

Ι.	Louis Pasteur and John Tyndall.		
2.	Answer any one out of two questions. A. Counting and cultivation of bacteria. B. Explain transformation with mechanism.	10	
3.	 Write a short note on any Four of the following: A. PCR. B. Test for metabolism of carbohydrates. C. Applications of fermentation. D. Difference between Prokaryotes and eukaryotes. E. Structure and properties of viruses. 	20	
4.	Answer any Five of the following: A. Salient features of fungi. B. Give two names of aerobic bacteria. C. Classify enzymes. D. What is conjugation? E. Parameters of ideal fermenter. F. Write the importance of capsule and spore in a bacteria.	10	
e	SECTION-B		
э.	What are disinfectant? Explain method of testing stability after dilution.	10	
6.	Answer any one out of two questions.A. Explain the types of immunity, definition and properties of antigen.B. What is drug resistance? Explain the type, mechanism and genetic origin of drug resistance.	10 of	
7.	 Write a short note on any Four of the following: A. Biochemical oxygen demand. B. Ag-Ab reaction method through precipitation. C. Widal test. D. RIA. E. ELISA. 	20	
8.	Answer any Five of the following:	10	
	 A. Define autoimmunity with example. B. Define bacteriostatic and bactericidal. C. Define immunity and classify. D. Name two diseases caused by food borne intoxication. E. Ig-D. F. Define wet heat sterilization and dry-heat sterilization. 		
	work owith English and dry mont Storinization.		

B. Pharm(Ayu.) Second Year Examination: April - 2016 (OLD SYLLABUS)

Dispensing, Community Pharmacy and Hospital Pharmacy

Date: 27-04-2016

Time: 02:30 P.M. to 5:30 P.M.

Wed	nesday Marks: 100	
In	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
1.	Write an essay on prescription including its various parts.	10
	Answer any one out of two questions.	10
	A. Write in detail on posology.B. Write in detail on procedures adopted in dispensing Asava and Arishta.	
3.	Write a short note on any Four of the following:A. Write about the contribution of pharmacist in community health care education.	20
	B. What are the requirements for wholesale pharmacy?C. Explain Pharmaco vigilance in detail.	
	D. Write about maintenance of drug store.E. Explain on packaging of tablets.	
4.	Answer any Five of the following:	10
	A. Explain the term incompatibility.B. Write difference between Asava and Arishta.	
	C. What is term 'Retailer'?	
	D. Explain the term 'closer'.	
	E. What is stability?F. What does the term 'superscription'?	
	SECTION-B	
5.	Write an essay on Hospital pharmacy.	10
6.	 Write a short note on any Four of the following: A. Write in detail on drug distribution system in hospital. B. Write in detail on processing of syrup. 	10
7.	Write a short note on any Four of the following:	. 20
	A. Write in detail on drug information service.B. Write about drug budget.C. What is surgical dressing?	
	D. Write on concepts of sterilization in Ayurvedic Medicines.E. Write on functions of hospital.	
8	. Answer any Five of the following:	10
	A. Write on use wise classification of tablets.	
	B. Write on types of capsules.C. Define the term 'chemical sterilization'.	
	D. What is the use of hot air oven.	
	E. Write the classification of hospital on the basis of medicine used.F. What is Tinctures?	
