B. Pharm(Ayu.) Third Year Examination: November - 2015

Pharmacentical Technology of Ayurvedic Drugs -I

Date: 01-1: Tuesday	12-2015	Time: 09:30 A.M. to 12:30 P.M. Marks: 100
Instruc	actions: 1. Every question is compulsory. 2. Every question bears the marks written of	n the right side.
	SECTION-A	
1. Def sus _l	fine and classify suspension. What are suspending a spension. Discuss the evaluation parameters of susp	agents and what is their role in 10 ension.
Α.	swer any one out of two questions. Enumerate liquid dosage forms. How will you prodiffusible solids giving examples. What are additives? List out the additives with the emulsion, suspension, oils and syrup.	
A. B. C.	What are the ideal requirements to manufacture ex What are the advantages of suspension? Differentiate flocculated and deflocculated suspen	
A. B. C. D. E.	wer any Five out of six questions: What are emulsifying agents? What are liniment? Differentiate Draught and Gargles. Packing and labelling instructions for syrups. Eutectic mixtures. Classification of emulsion.	10
	SECTION-B	
5. What man	at are Aerosols? Why and which propellants are use use usefacturing process and evaluation parameters for A	ed in Aerosols? Describe the 10 erosols.
A. : B.	te any one out of two questions: Define cosmetics as per D & C Act Give 10 examplaying a vital role in cosmetic industry with their What are semi solid products? What are the requirectly cold cream. Differentiate creams and ointments.	uses.
A. 1 B. 1 C. 1 D. 1	wer any Four out of questions: Propellants in Acrosols. Polymorph firm in Cocoa butter. List out the components of an acrosol container. Preparation of herbal anti ache cream with example Preparation of Herbal dentifrice.	20 e.
8. Answ A. I. B. V C. A D. S	ver any Five of six questions: Limitation of aerosol. What are manicure preparations? Advantages of suppositories. Shaving preparations. What are Gels?	10

Evaluating parameters of suppositories.

B. Pharm(Ayu.) Third Year Examination: November - 2015

Pharmacology & Toxicology of Ayurvedic Drugs -I Time: 09:30 A.M. to 12:30 P.M.

Marks: 100

Date: 02-12-2015

Wednesday

Instructions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
SECTION-A	
What is bio availability. Describe factors affecting absorption and bioavailability of	10
a drug.	
n	10
 Answer any one out of two questions. Define pharmacokinetics. Describe how drug is eliminated from the body. 	
A. Define pharmacokinetics. Describe the B. Drug antagonism.	
3. Write a short note on any Four of the following:	20
A. Receptors regulating gene expression.	
R Carcinogenicity.	
C Transdermal drug delivery system.	
D. Plasma protein binding of the drug.	
E. Drug tolerance.	10
4. Answer any Five of the following:	, -
A. What is Pharmacy?	
B. Carrier transport.	
C. Prodrug.	
D. First pass metabolism.	
E. Pharmacogentics. F. Plasma half life.	
SECTION-B	
5. Classify cholinergic receptors. Name drugs which at on these receptors.	10
	10
6. Answer any one out of two questions.	
 Answer any one out of two questions. A. Classify antiemetics drugs. Write mechanism of action of metoclopramide. B. Classify Sedative hypnotic drugs. Write mechanism of action of diazepam. 	
B. Classify Sedative hypnotic drugs. With the	20
7. Write a short note on any Four of the following:	
A. Ayurvedic laxative drugs.	
B. Antiparkinsonian drugs.	
C. Appetizers. D. Ayurvedic drugs for depression.	
E. Emetics.	
8. Answer any Five of the following:	10
- V	
 A. Name two cammatives. B. Write name of two selective β, blockers. 	
C. Name two drugs act on α receptors.	
n Digestants.	
E. Write name of two antipsychotic drugs.	
F Anti ulcer drugs.	

B. Pharm(Ayu.) Third Year Examination: November - 2015

Ayurvediya Aushadha Gunadharma Shastra - III

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

Marks: 100

Date: 30-11-2015

Monday

In	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
I.	Enlist the poisonous drugs with its toxicity and purification methods.	10
2.	Answer any one out of two questions. A. Describe the concept of Vichitrapratyarabdha and its application. B. Write the steps to resolved controversy of drug with example.	10
3.	 Write a short note on any Four of the following: A. Mutra Virajaniya. B. Purisha Sangrahaniya. C. Saumansya Janana. D. Vamanopaga. E. Shorivirechana. 	20
4.	 Answer any Five of the following: A. Enlist any two source plant for Priyangu with its botanical name. B. Enlist any two source plant for Pashanabheda with its botanical name. C. Enlist any two source plant for Rasana with its botanical name. D. Write the name of different types of Chandana with its botanical name. E. Write the name of different types of Dhattura with its botanical name. F. Write the name of different types of Patha with its botanical name. 	
5.	SECTION-B Describe in brief the drug "Bala" by mentioning classification(Charak), botanical name, types, Rasapanchaka, Doshakarma, formulations and indications.	10
6.	Answer any one out of two questions. A. Describe the properties, actions and indications of Mukta and Shankha. B. Write the origin, types and chemical composition of Kshara.	10
7.	Write a short note on any Four of the following: A. Navaneeta Varga. B. Takra Varga. C. Sadharana Rasa. D. Astagandha. E. Chhagapanchaka.	20
8.	Answer any Five of the following: A. Write the botanical name and family Sarja. B. Write the Rasapanchaka of Vatsanabha. C. Write the part used and formulation of Shatapushpa. D. Write the synonyms and Doshakarma of Kushmand. E. Write the chemical composition and substitute of Chandana. F. Write the action and indication of Atmagupta.	10

B. Pharm(Ayu.) Third Year Examination: November - 2015

Pharmacognosy of Ayurvedic Drugs – Π

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.]	Instructions: 1. Every question is compulsory. 2. Every question bears the marks written on the	right side.	
	SECTION-A		
1.	 Explain distribution of alkaloid in plants and mention the them. 	e chemical tests to detect	10
2	 Answer any one out of two questions. A. What are lipids? Discuss expression methods in detail B. Discuss gender affecting the quality of crude drugs. 	l	10
3	 Write a short note on any Four of the following: A. Substitutes and adulterants of Daruharidra. B. Role of Alkaloid in plant. C. Differentiate volatile oil and fixed oil. D. Discuss decolourization, deodorization and demargina E. Plant growth inhibitors and regulators. 	ation.	20
	 Answer any Five of the following: A. Solutions to prepare dragendorff's reagent. B. Give biological source, chemical constitutes and uses C. White pepper. D. Give chemical constituents and uses of Nimba. E. Define TRO. F. Allelopathy. 	of Parsikayavani.	10
	SECTION-B		
5	 What is volatile oil ? Discuss its distillation methods examples. 	s in detail with suitable	10
6	 Answer any one out of two questions. A. Explain why galls are the pathological products of account on Karkatshringi. B. What do you mean by substitutes and adulterants pharmacological evolution of crude drugs with suitable. 	? Explain chemical and	10
7	 Write a short note on any Four of the following: A. Hydrolysable tannin. B. Explain Gambier is pale brown while cutch is black in C. Discuss isolation technique of vittae and lactiferous v. D. Ecuelle & effleurage. E. Differentiate Terminalia Arjuna wight, and Terminalia 	essels.	20
8	 Answer any Five of the following: A. Explain Match stick test. B. Give biological source, chemical constituents and use C. Adulterants of Ashoka & mention it's biological source 		10

Give biological source, chemical constituents and uses of Talishapatra.

Give botanical source of any six umbelliferous fruits.

Give chemical tests of volatile oils.

D.

E.

B. Pharm(Ayu.) Third Year Examination: November - 2015

Pharmaceutical Engineering

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

Marks: 100

Date: 04-12-2015

Friday

Ir	nstructions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
	SECTION-A	
1.	Explain energy requirements of size reduction process and explain colloid mill.	10
2.	Answer any one out of two questions. A. Explain in detail elutriation. B. Explain construction, working advantages and disadvantages of propeller mixer.	10
3.	 Write a short note on any Four of the following: A. Homogenizer as emulsifier. B. Cyclone separator. C. Sigma blade mixer. D. Factors affecting on extraction process. E. Propeller mixer. 	20
	Answer any Five of the following: A. Define infusion. B. Solvents used for extraction. C. Write objectives of mixing size separation. D. Advantages of ball mill. E. Application of planetary mixer. F. Define leaching.	10
	SECTION-B	
5.	Define evaporation. Explain factors affecting the process of evaporation.	10
6.	Answer any one out of two questions.A. What is the importance of crystals in pharmaceutical field? Explain it.B. Explain lab scale molecular distillation.	10
7.	 Write a short note on any Four of the following: A. Microwave dryer. B. Equilibrium distillation. C. Distillation under reduced pressure. D. Vacuum crystallizer. E. Steam distillation. 	20
8.	Answer any Five of the following: A. Define molecular distillation. B. Limitations of mier's super saturation theory. C. Advantages of spray dryer. D. Define magma. E. Advantages of rectification. F. Pharmaceutical factors affecting process of evaporation.	10

B. Pharm(Ayu.) Third Year Examination: November - 2015

Ayurvediya Aushadha Nirmana Shastra - 100

Date: 05- Saturday	12-2015 Time: 09:30 A.M. to 12:30 P. Marks: 100	.M.
Instru	actions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.	
-	SECTION-A	
	nat is Pathya? Write brief note on Pathya Kalpana and its importance in zurveda.	10
2. Ar A.	Lavana and its importance.	10
_	•	20
3. At A. B. C. D. E.	Hastidanta Masi. Kacha Lavana. Apamarga Kshara.	
A B C	Bid Lavana. Kshara Panchaka. Sauvarchal Lavana. Sneha Matra. Use of Triphala Masi.	10
	SECTION-B	10
5. W	/hat is Jarana ? Explain Shadaguna bali jarita Parada.	
6. W A B	and the state of t	10
. C	Preparation of Kasisa Bhasma. Vahnijara. Rasa Manikya.	20
A P C T	Toxicity and antidote of Vatsanabha. Formulations of Kalihari. Shodhana dravya and a formulation of Arka Kshira.	- 10
E	Ingredients and use of Switrari Rasa. Name of Ashta Samskara of Parada:	٠.

B. Pharm(Ayu.) Third Year Examination: November - 2015

Pharmaceutical Chemistry – Π

Monday		Marks: 100	
	very question is compulsory. very question bears the marks written o	on the right side.	
	SECTION-A		
 Discuss detecto 	ors in gas chromatography with diagra	m.	10
 A. Discuss in 	e out of two questions. strumental up gradation available in the e principal of column chromatography		16
A. Types of itB. Explain elC. ApplicationD. Different of	ote on any Four of the following: njectors in H.P.L.C. ution techniques in column chromatogous of T.L.C. in detail. development techniques in paper chromatogous of chambers and chamber satura	graphy. matography.	20
A. Rt value. B. Derivatiza C. Types of I D. Enumerate E. Define chr	ve of the following: ation. on exchange resin. different types of visualization technomatograph. de detectors used in H.P.L.C.	iques in T.L.C.	10
·	SECTION-B		
	etween atomic absorption and atomic ometry and its instrumentation in deta	, <u></u>	1(
A. What is E. B. What is pl	e out of two questions. M.R.? Explain the instrumentation of H? Enumerate different types of elect pplications.	U.V. spectroscopy in detail.	10
A. Different tB. Explain T.C. ApplicatioD. Applicatio	ote on any Four of the following: types of vibrations in IR spectroscopy. G.A., D.T.A. and D.S.C. in brief. ons of fluorimetry and phosphorimetry. ons of Ion-exchange chromatography. rectometer.		20
A. Hollow Ca B. Blue shift.	e sources of I.R. radiation. th.		10