B. Pharm(Ayu.) Third Year Examination: December-2019

Dravyaguna – II (Ayurvedic Pharmacology)

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

Date: 16-12-2019

Monday

	Monday Marks: 100	Marks: 100	
Ir	nstructions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.		
	SECTION-A		
1.	Write about the author, period and classification with speciality of <i>Madanapala Nighantu</i> .	10	
2.	 Answer any one out of two questions. A. Define Shaka Varga and describe in detail any five. B. Write about the basis of nomenclature in Ayurvedic classics and describe the importance of synonyms. 	10	
3.	Write a short note on any Four of the following: A. Dhanavantary Nighantu. B. Mansa Varga. C. Ikshu Varga. D. Stanyajanan and Stanyashodhana. E. Taila Varga.	20	
4.	Answer any Five of the following: (two to three sentences) A. Mutrasamgrahaniya. B. Ropana. C. Asthapanopaga. D. Vedanasthapana. E. Artavajanana. F. Trushnanigrahana.	10	
	SECTION-B		
5.	Write about the consideration of <i>Mishraka Varga</i> according to different <i>Nighantukara</i> and describe in detail <i>Astavarga</i> .	10	
6.	 Answer any one out of two questions. A. Write botanical name, synonyms, habit, habitat, part used and formulations of Sariva. B. Write ingredients of Madhuratriphala with their collective actions and indications. 	10	
7.	Write a short note on any Four of the following: A. Ksharadwaya. B. Madhuratraya. C. Saptopavisha. D. Trisharkara. E. Panchavalkala.	20	
8.	Answer any Five of the following: (two to three sentences) A. Kasamarda. B. Rasona. C. Patola. D. Lavanga. E. Latakasturi. F. Kalamegha.	10	

B. Pharm(Ayu.) Third Year Examination: December-2019

Pharmaceutical Technology of Ayurvedic Drugs -I

Date: 17-12-2019

	Date: 17-12-2019 Tuesday Time: 09:30 A.M. to 12:30 Marks: 100	P.M.	
It	structions: 1. Every question is compulsory. 2. Every question bears the marks written on the right side.		
	SECTION-A		
1.	. Define Additives. Classify them and describe lubricating agents and binding agents 10 used in tablet.		
2.	 Answer any one out of two questions. A. What are powder dosage forms in Ayurveda? Discuss processing and packaging of powder formulation. B. Define and classify Biphasic dosage forms. Describe the process of emulsion of edible oil. 	10	
3.	Write a short note on any Four of the following:	20	
	 A. Evaluation methods of suspensions. B. Requirements of ophthalmic products. C. Short notes on effervescent granules. D. Evaluation methods of emulsion. E. Theory of suspension. 		
4.	Answer any Five of the following: (two to three sentences)	10	
	 A. Flocculating agents. B. HLB. C. Glidants. D. Pyrogens. E. Preservatives for ophthalmic products. F. Throat paint. 		
	SECTION-B		
5.	What are semisolid dosage forms? Describe method of preparation of Ointment. Enlist Ointment bases.	10	
6.	 Answer any one out of two questions. A. What is Suppository? Describe characteristics and method of preparation of Suppository. B. Define Aerosols. Discuss the uses and packaging methods of Aerosols. 	10	
7.	Write a short note on any Four of the following: A. Evaluation methods of Suppositories. B. Different compound of Aerosol containers. C. Shaving cream in brief. D. Evaluation methods of semi-solid dosage forms. E. Suppository bases.	20	
8.	Answer any Five of the following: (two to three sentences)	10	
	A. Cold cream and Vanishing cream. B. Electuaries. C. Bougies. D. Propellants. E. After shave lotion. F. Depilatories.		

B. Pharm(Ayu.) Third Year Examination : December-2019

Pharmacology & Toxicology of Ayurvedic Drugs -I

		Time: 09:30 A.M. to 12:30 Marks: 100		
I	nstru	ctions: 1. Every question is compulsory. 2. Every question bears the marks written on the ri	ight side.	
		SECTION-A		
l.	De	fine and classify receptors. Write a note on any one type of	of receptors.	10
2.	Ans A. B.	swer any One out of two questions: Enlist various channels of drug elimination and discudrugs in details. Discuss the advantages and disadvantages of drug admiroute.		10
3.	Wr. A. B. C. D. E.	Blood brain barrier. Oxidation and reduction reactions of drug metabolism	and bioavailability?	20
4.	А. В.	Define: Drug (WHO) Give the name of drugs metabolised by the acetylation Drug tolerace Intradermal route of drug administration Pinocytosis What is pharmacy?		10
		SECTION-B		
5.	Des with	cribe cholinergic transmission and write classification of a examples.	f anti-cholinergic drugs	10
6.	Ans A. B.	wer any One out of two questions. Discuss pathophysiology of Parkinsonism. Write me levodopa and selegiline. Classify antiemetic drugs with their mechanism of action		10
7.	A. B. C.	te a short note on any Four of the following: Adrenergic receptors. Stages of sleep cycles. Antipsychotic drugs. Digestants. Classification of antiulcer drugs.		20
8.	Ans A. B. C. D. E. F.	wer any Five of the following: (two to three sentences) Ayurvedic drugs used in the treatment of insomnia Give names of alpha blockers Write mechanism action of phenytoin Ayurvedic drugs used in the treatment of constipation. What are generalized tonic clonic seizures? Define: carminatives.		10

B. Pharm(Ayu.) Third Year Examination : December-2019

	Pharmacognosy of Ayu	rvedic Drugs – II
Date: 19-12-2019 Thursday		Time: 09:30 A.M. to 12:30 P.M. Marks: 100
Instructions: 1. Ever 2. Ever	y question is compulsory. y question bear the marks written	on the right side.
	SECTION-A	
1. Give a detail accor	unt on Monographs.	• 10
A. Discuss substit examples.	out of two questions. Tute in detail and enumerate at least t	10 two substitute drugs with suitable
glycoside.	side? Discuss in detail and write	a note on drug containing bitter
A. What is guignar	on any Four of the following:	20
 B. Give different to 	ests to detect anthraquinone glycosio ote on Indian Pharmacopoeia. n Senna.	des. Mention one in detail.
 A. What is S-glyco B. Importance of is C. What is C-glyco D. What is buffader E. What are the alli 	sothiocynate glycoside. oside?	tences) 10
	SECTION-B	
5. What are lipids? Di	iscuss in detail. Write a detail a	account on Nimba tail. 10
 Answer any One out A. How fixed oil a fixed oil. 	t of two questions. and waxes differ from each othe	10 er ? discuss the evaluation of
studied this year	lame the alkaloids containing ar. Describe the histological cha	seed drugs which you have aracters of one seed drug.
7. Write a short note onA. Indole alkaloidsB. Role of Kupilu iC. Discuss the the	any Four of the following: s. in Ayurveda. rapeutic importance of Jyotisms h tests for pale and black Catec	20
A. Biological source B. Chamical constit	he following: (two to three senter e, family and uses of Karanj. uents and uses of Khadir. e, family and uses of Ashwagandh	

D. Define tannins.

E.

Give uses of Triphala.

Biological source, family and uses of Erand.

B. Pharm(Ayu.) Third Year Examination : December-2019

Pharmaceutical Engineering

Date: 20-12-2019 Friday		Time: 09:30 A.M. to 12:30 P.I Marks: 100
]	Instructions: 1. Every question is comp 2. Every question bears to	oulsory. he marks written on the right side.
		SECTION-A
1.	Discuss ideal properties of solvent for drugs.	extraction & difficulties associated with crude 10
2.	Answer any One out of two question A. Explain in detail Silverson emu. B. Explain Ball mill in brief.	ns. 10
3.	 Write a short note on any Four of the A. Double cone mixer. B. Types of mixing. C. Sieves. D. Maceration. E. Cyclone Separator 	ne following:
4.	 Answer any Five of the following: A. What is elutriation? B. Principle of ball mill. C. Application of hammer mill. D. Ideal Solvent for extraction. E. Define emulsifiers. F. Percolation. 	(two to three sentences) 10
5.	Explain in detail Rotary evaporator.	SECTION-B
	Answer any One out of two question	10
,0.	A. Discuss mier's theory for super B. How drying plays an important	Saturation.
7.	 Write a short note on any Four of the A. Crystal growth. B. Multiple effect evaporator. C. Tunnel dryer. D. Describe radiant heat dryer. E. Principle of microwave. 	e following: 20
-	Answer any Five of the following: (to A. Define magma. B. Application of vacuum crystalliz C. Define distillation & condensation D. Evaporating Pan. E. Uses of spray dryer. F. Application of freeze drying.	er.

B. Pharm(Ayu.) Third Year Examination: December-2019

Rasashastra & Bhaishajya Kalpana – III (Ayurvedic Pharmaceutics)

Date: 21-12-2019	Time: 09:30 A.M. to 12:30 P.M
Saturday	Marks: 100
Instructions: 1. Every question is compul-	sory.
2. Every question bears the	marks written on the right side.
SE	ECTION-A

Describe Kshirbala taila in detail.	
Answer any one out of two questions.A. What is Lavan kalpana? Describe an example of it.B. Write about Apamarga kshar.	10
Write a short note on any Four of the following: A. Mishreya arka B. Takra kalpana C. Pratisaraniya kshar D. Explain Yusha and Yavagu E. Masi kalpana Answer any Five of the following: (two to three sentences) A. Dose and use of Kasisadi taila. B. Why Murchana is done in Sneha kalpana? C. Ingredients and dose of Arka lavan. D. What is Krushara? E. State shelf life of Arka kalpana	20
F. Name two Sneha kalpana formulations useful for the eye.	
Describe Pottali kalpana.	10
Answer any one out of two questions. A. Write about Rasasindura. B. Explain Hartala in detail.	10
Write a short note on any Four of the following: A. What is schedule E(1)? Enlist it. B. Kasis C. Jaypal D. Gandhak E. Hingula	20
Answer any Five of the following: (two to three sentences)	10
 A. Formula of all Uparasa dravya. B. Ingredients and dose of Rasamanikya. C. Name Sadharan rasa dravya with their English name. D. Grahya Gairika. E. Two formulations of Gunja. F. Dose and method of administration of Gandhak dravis. 	
	Answer any one out of two questions. A. What is Lavan kalpana? Describe an example of it. B. Write about Apamarga kshar. Write a short note on any Four of the following: A. Mishreya arka B. Takra kalpana C. Pratisaraniya kshar D. Explain Yusha and Yavagu E. Masi kalpana Answer any Five of the following: (two to three sentences) A. Dose and use of Kasisadi taila. B. Why Murchana is done in Sneha kalpana? C. Ingredients and dose of Arka lavan. D. What is Krushara? E. State shelf life of Arka kalpana. F. Name two Sneha kalpana formulations useful for the eye. SECTION-B Describe Pottali kalpana. Answer any one out of two questions. A. Write about Rasasindura. B. Explain Hartala in detail. Write a short note on any Four of the following: A. What is schedule E(1)? Enlist it. B. Kasis C. Jaypal D. Gandhak E. Hingula Answer any Five of the following: (two to three sentences) A. Formula of all Uparasa dravya. B. Ingredients and dose of Rasamanikya. C. Name Sadharan rasa dravya with their English name. D. Grahya Gairika.

B. Pharm(Ayu.) Third Year Examination : December-2019

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