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

Pharmaceutical Analysis of Ayurvedic Drugs -III (Q.C., Std., GMP)

Date: 18-04-2016 Monday	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 of	on the right side.	
SECTION-A		
1. What do you understand by quality control of Ayu establish Q.C. parameters for Avaleha preparations?	rvedic drugs? How will you	10
 Answer any one out of two questions. A. Give analytical profile of Taila preparation saponification value of Bala Taila. B. How will you standardise the Chandanasava? Chandanasava in detail. 	. How will you determine	10
 3. Write a short note on any Four of the following: A. Give in-process control for Jatyadi Ghrita prepar B. Loss on drying with special reference to Avaleha C. Classical parameters for Bhasma preparation reasoning. D. S.T.P. according to G.L.P. 	preparation.	20
E. Sampling of raw materials according to G.L.P.	•	
 4. Answer any Five of the following: A. Validation. B. B.M.R. C. Monograph. D. Acetyl value. E. Peroxide value. F. Refractive index of Ghrit. 		10
SECTION-B		
5. Explain the principle of double beam U.V. spectroph	otometer with instrumentation.	10
6. Answer any one out of two questions.A. Importance of S.O.P. in Ayurvedic drug industryB. Records of market complaints as per G.M.P.	γ. ·	10
 7. Write a short note on any Four of the following: A. Nitrogen content in Tea leaves. B. Applications of N.M.R. in brief. C. Enumerate types of raw material for AYUSH of store them? D. Applications of U.V. spectroscopy. E. Enumerate different parts of mass-spectroscopy 		20
8. Answer any Five of the following:A. Source of light of A.A.S.B. A.G.M.P.		10

C. Test for artificial invent sugar.

E. Diseases caused due to deficiency of vitamin A.

D. Source of vitamin K.

F. P.M.T.

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Pharmaceutical Biochemistry

Date: 19-04-20 Tuesday	10	ne: 02:30 P.M. to 5:30 P.M. rks: 100
Instruction	ns: 1. Every question is compulsory. 2. Every question bears the marks written on the	right side.
	SECTION-A	
 Describ 	e mitochondria. Explain the symbiont hypothesis.	10
A. De	any one out of two questions. scribe the Hexose monophosphate shunt. numerate various fates of Pyruvate.	10
A. Wi B. De C. De D. Wi	short note on any Four of the following: rite short note on precipitation reaction of proteins. escribe structure and function of chloroplast. escribe briefly oligosaccharides. hat is uncompetitive inhibition? Give examples. rite a note on active transport.	20
A. De B. Me C. De D. De E. De	r any Five out of six questions: efine nuclotide and nucleoside. Give examples. ention the symptoms of hypervitaminosis A. efine free acidity and combined acidity. efine calorie and joule. escribe the structure of B cell. hat is mutarotation?	10
	SECTION-B	
Explair	n structural organization of proteins.	. 10
A. W	my one out of two questions: hat are microglial cells? Mention their functions. escribe CAMP mediated signal transduction.	. 10
A. W B. W C. W D. W	short note on any Four of the following: irite a short note on thyroid function test. hat are ketone bodies? State their clinical importantite a short note on RNA. Irite a short note on oxidative stress. Irite a phagocytosis and its significance.	20 ce.
8. Answer	r any Five of six questions:	10
B. De C. Ex D. W E. W	efine cofactors. efine xenobiotics. kplain leading strand and lagging strand. That happens when a raw egg is consumed in large a rite any four functions of sodium as mineral inside efine ADDC.	mount. our body

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

Forensic Pharmacy, Act, Rules and Regulation Pharmacy Management

Date: 21-04-2016	
Thursday	

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

1.	Disc	uss in length about Drug and Magic Remedies Act.	10
2.		wer any one out of two questions. Write in detail about code of pharmaceutical ethics. Write the requirements for imports, possession and sale of poison under Poison Act 1919.	10
3.		te a short note on any Four of the following: Labelling of Ayurvedic drugs. Function of state pollution board. Shops and Establishment Act. Preparation of dossier. Spurious drugs.	20
4.	A. B. C. D.	wer any Five of the following: Qualification and duty of drug inspector. Pharmacovigilance. BMR record. Narcotic drugs. Advertisement. Patent and proprietary medicine.	10
		SECTION-B	
5.	Disc	cuss factors affecting location of industry along with layout of building.	10
6.	Ans A. B.	wer any one out of two questions. State the various factors affecting purchasing. What is marketing? Explain 4 P's of marketing.	10
7.		te a short note on any Four of the following: Role of wholesaler and retailer. Techniques of training supervisor. Quality control. Job evaluation. Source of recruitment.	20
8.	Ans A. B. C. D. E. F.	Budget. Detailing. Sampling. Promotion policies. Trade identification marks. Piece rate wage system.	10

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

Pharmaceutical Microbiology

Date: 22-04-2016	
Friday \	

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

Marks: 100

Instructions: 1. Every question is compulsory.

E. Explain Pasteurization.F. Define Auto immunity.

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

SECTION-A

1.	Write in short about the contributions of Louis Pasteur in the field of Microbiology.	10
2.	 Answer any one out of two questions. A. List the different methods used for measurement of Bacterial growth. Explain any one direct method used for counting. B. Write in brief about different techniques used for cultivation of virus. 	10
3.	 Write a short note on any Four of the following: A. Write a note on various bacteriological media. B. Write a note on biochemical tests based on carbohydrate utilization by the bacteria. C. Write a note on an ideal fermenter. D. Write a short note on continuous fermentation. E. Write a short note on Griffith's Experiment for Bacterial transformation. 	20
4.	Answer any Five out of six questions: A. What is Bacteriostatic and Bactericidal? B. Define Microbiology. C. Write the function of cell wall. D. Write the properties of Agar. E. Differentiate Flagella and Pili. F. What is Antibiotic?	10
	SECTION-B	
5.	Write down list of different sterilization methods. Explain chemical method of sterilization in detail.	10
б.	Write any one out of two questions: A. Discuss food Borne Intoxication. B. Write in detail about ELISA.	10
7.	 Write a short note on any Four of the following: A. Define immunity. Write about different types of immunity. B. Write a note on sterility testing of pharmaceutical products. C. Write about physical methods of sterilization. D. Write a short note on modes of spread of Infection. E. Write a note on Botulism. 	20
8.	Answer any Five of six questions: A. Define Immunology B. What is monoclonal Antibody. C. Write the full form of ELISA and RIA. D. What is Incineration?	10

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Ayurvediya Aushadha Nirmana Shastra - IV

Date: 23-04-2016 Saturday	Time: 02:30 P.M. to 5:30 P.M Marks: 100
Instructions: 1. Every question	
2. Every question	ears the marks written on the right side.

SECTION-A

l.	Write standardization method of Herbal and Herbomineral drugs.	10
2.	Answer any one out of two questions. A. Explain ophthalmological preparations according to Ayurveda and mention precautionary measures for its manufacture. B. How Kshara Sutra are prepared now a days?	10
3.	Write a short note on any Four of the following: A. Ayaskriti. B. Varti. C. Shat Dhaut Ghrita. D. Kavala. E. Lepa Kalpana.	20
4.	Answer any Five out of six questions: A. Method to preserve Sarjarasa Kalpana. B. Ingredients of Saurashtri Netrabindu. C. Write uses of Kshara Sutra. D. Why Lepa should not be used during night? E. Siddhi Lakshanas of Asava – Arishta. F. Chemical formula of any Asava – Arishta.	10
5.	SECTION-B What is meant by 'Dhatu'? Explain any one Dhatu in detail.	10
	Write any one out of two questions: A. Write name of Kshara Varga and explain any one Kshara in detail. B. Enlist name of Shuddha Varga and explain any one Suddha dravya in detail.	10
7.	Write a short note on any Four of the following: A. Shodhana – Marana of Tamra. B. Shodhana – Marana of Vajra. C. Shodhana – Marana of Shukti. D. Shodhana – Marana of Yashada. E. Shodhana – Marana of Godanti.	20
8.	Answer any Five of six questions: A. Therapeutic dose and indications of Loha Bhasma. B. Specific tests for Tamra Bhasma. C. Melting point and boiling point of Swarna. D. Melting point and boiling point of Parada. E. Colour of Rajata and Loha Bhasma. F. Chemical formula of Tankana.	10

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Pharmaceutical Technology of Ayurvedic Drugs - II

Date: 25-04-2016 Monday		Time: 02:30 P.M. to 5:30 P.M. Marks: 100
In	structions: 1. Every question is compulsory. 2. Every question bears the marks wi	itten on the right side.
	SECTION	- A
1.	Write a brief note on principle areas of pre-form	nulation studies. 10
2.	Answer any one out of two questions. A. Classification and types of tablets in detail. B. Explain formulation of pills in detail.	
3.	 Write a short note on any Four of the following A. Preparation of master manufacturing process B. Binding and disintegrating agents for tables C. Chemical incompatibilities. D. I.P.Q.C. tests for tablets. E. G.M.P. consideration for pilot plan scale in 	edures. ets.
4,	 Answer any Five of the following: A. Two preservatives for tablets. B. Mixture of camphor and menthol is which C. Define lozenges. D. What is mottling in case of tablets? E. Two diluents used for tablets. F. Define crystallization. 	type of incompatability?
	SECTION	-B
5.	Explain about soft gelatine capsule in detail.	10
6.	Answer any one out of two questions.A. Explain the theory of sustain release drugB. Explain the methods of evaluation for pare	
7.	 Write a short note on any Four of the followin A. Ideal requirements for packaging material B. Implants as N.D.D.S. C. General formulation of parentral products D. Theory of sustained released drug delivery E. Pan coating for micro encapsulation. 	S
8.	 Answer any Five of the following: A. Name of two vehicles used in parentral fo B. Define microencapsulation. C. Name the additives used in capsule filling 	·

D.

E.

Limitations of plastic containers.

Storage requirements for capsules.

How many types of parentral formulations?

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Pharmacology & Toxicology of Ayurvedic Drugs -II

Date: 26-04-2016 Fuesday		Time: 02:30 P.M. to 5:30 P.M. Marks: 100	
In	structions: 1. Every question is compulsory. 2. Every question bears the marks written o	n the right side.	
	SECTION-A	•	•
l.	Describe in detail about pathophysiology of cardiac arantiarrhythmic drugs.	Thythmia and classify	10
2.	Answer any one out of two questions. A. Pathophysiology of heart failure. B. Anti hypertensive agents.		10
3.	 Write a short note on any Four of the following: A. Drugs used in cough and cold. B. Drugs used for anaemia. C. Angina pectoris. D. Diuretics. E. Ayurvedic drugs used for anaemia. 		20
4.	 Answer any Five out of six questions: A. Herbal drugs used in cardio vascular system. B. Vasodilators. C. Anti tussives and expectorants. D. Anti platelet drugs. E. Drugs affecting renal functions. F. Non steroidal anti inflammatory agents. 		10
	SECTION-B	•	
5.	Enlist some important antibiotics with its medicinal re-	ole.	10
6.	Write any one out of two questions:A. Role of immuno suppressants in organ transplantB. Write a note on Diabetes mellitus.	ation.	10
7.	 Write a short note on any Four of the following: A. Enlist oral hypoglycaemic agents. B. Thyroid disorders. C. Anti fungal agents. D. Anti viral agents. E. Anti cancer agents. 		20
8.	 Answer any Five of six questions: A. Mention insulin preparations. B. Mention name of semi synthetic Penicillins. C. Herbal drugs used in cough and cold. 		01

D. Herbal drugs used in malaria.E. Enlist Haematinics.

Distinguish antibiotic and chemotherapeutic agents.