

Code. No.PB122411

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Pharm.D (PB) I Year (3 YDC) (Instant) Examination Dec / Jan 2024-25

Subject: Pharmacotherapeutics - III & 4.1

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

Q.No.	Question	CO	BL
1	Write about triple therapy used in the management of peptic ulcer disease.	1	3
2	List out the types of strokes.	3	1
3	Explain about direct thrombin inhibitors.	2	2
4	Define anemia and what are the types of anemias based on the causes.	2	1
5	Categorize anti-depressants based on their mechanism of action.	4	4
6	List out the vaccines used for Hepatitis B.	1	1
7	What is ulcerative colitis and list out the types of ulcerative colitis.	1	1
8	Classify the opioid analgesics.	3	2
9	Discuss the clinical presentation of Parkinson's disease.	3	2
10	Discuss about the clinical presentation of pain.	3	2

PART B

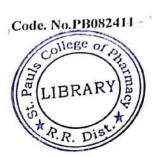
Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

Q.No.	Question	CO	BL
11	Outline the non-pharmacological and pharmacological treatment options for managing GERD in different phases.	4	1
12	 a. List out the stages of Alcoholic Liver Disease. b. What are the different types of alcohol metabolism and different laboratory findings of ALD. (6 M) 	1	1
13	Discuss in detail about etiology, pathophysiology and pharmacological management of Alzheimer's disease.	3	2
14	Classify sleep disorders. Explain insomnia and pharmacotherapy of insomnia in detail.	3	2
15	 a. Summarize the different types of drug induced hematological disorders. b. Discuss in detail about the mechanisms involved in the drug induced agranulocytosis. (6 M) 	2	2
16	Define Aplastic anemia. Explain causes, signs and symptoms, diagnosis and treatment of Aplastic anemia	2	1
17	Define evidence-based medicine, and write the different steps involved in EBM.	5	1
18	What are the types of anxiety disorders and explain the clinical presentation, and treatment for GAD.	4	1



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Pharm.D (PB) I Year (3 YDC) (Main) Examination July/August 2024

Subject & Code: Pharmacotherapeutics - III & 4.1

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

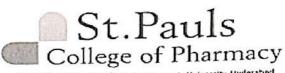
O N-	O.No. Question		BL	
1	What are the stages or phases seen in the development of hepatitis A	1	1	
	infection?	5	- 2	
2	Summarize the phases seen during migraine headache.		1	
3	List out the types of peptic ulcer diseases based on the etiology.	1	1	
1	Discuss about Monoamine Oxidase B inhibitors.	3	2	
5	What are the signs and symptoms of Alzheimer's disease?	3	1	
6	Classify anemias based on the morphological features of RBCs.	2	2	
7	Summarize the types of sleep apnea.	4	2	
8	Write the clinical presentation for post-traumatic stress disorder.	4	3	
0	Explain about the morphine and its congeners.	5	2	
10	Distinguish between partial seizures and complex seizures.	3	2	

PART B

Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

Q.No.	Ouestion		CO	BL	
11	 a. Explain in detail about amino salicylates used for IBD. (5 M) b. Summarize the signs and symptoms observed in different types of igundice (5 M) 				
12	Explain the pathophysiology and pharmacological treatment of isc		2	2	
13	Explain in detail about the evidence-based medicine with examples	S.	5	2	
14	What are the different treatment regimens available for the treatment of H. pylori induced peptic ulcer disease and explain them in detail.		1	1	
15	Demonstrate in detail about the pharmacological treatment for portal hypertension and varices.		1	2	
16	Illustrate the clinical presentation and pharmacological treatment of obsecompulsive disorder.	essive-	4	4	
17	a. Describe the pain pathways in detail.b. Classify non-opioid analgesics.	(7 M) (3 M)	5	2	
18	 a. Outline the pathophysiology of venous thromboembolism. b. Illustrate in detail about the unfractionated heparin used in VTE. 	(5 M) (5 M)	2	4	



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Pharm.D (PB) 1 Year (6 YDC) (Main) Examination July/August 2024

Subject: Hospital Pharmacy & 4.2

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

		CO	BL
Q.No.	Question	1	3
1	Write the functions of Hospital.	1	3
2	What are the responsibilities of Hospital pharmacist in Hospital pharmacy?	1	13
2	List out the objectives of the Budget preparation and Implementation.	3	2
3	List out the objectives of the Budget propulary in Hospitals	4	3
4	Write the role of Hospital formulary in Hospitals.	4	2
5	Write a short note on Inventory Control.	3	2
6	Write the advantages of Floor stock system.	5	1 2
7	Write the difference between large volume and small volume parenteral.	6	13
7	Write a note on External teaching programme.	7	3
8	Write a note on External caching programme	8	2
9	Write the functions of Radiopharmaceuticals.	2	3
10	Write the role pharmacist in Hospital committees.		

PART B

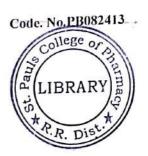
Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

1		CO	BL
Q.No.	Question LC view of Heapital organization	1	3
11	Write the structure and function of Hospital organization.	1	1
12	Define Hospital pharmacy and add a detail note on Its organization.	3	3
13	Write a detail note on Budget preparation and Implementation. Define Pharmacy and therapeutic committee and Write the structure and	2	1
14	functions of PTC Define ABC and VED and add a detail note on various methods of ABC and	4	5
15	VED	6	4
16 17	Explain the manufacture of Ointments land Tablets. a) Write about packing of Radiopharmaceuticals	7,8	5
8	b) Write a note on Educational training Programme in hospitals Explain Professional relationship of pharmacist with other Professionals	8	6



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Pharm.D (PB) I Year (3 YDC) (Main) Examination July/August 2024

Subject: Clinical Pharmacy & 4.3

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

	THE PERSON NAMED IN	CO	BL
Q.No.	Question	6	2
1	Write a note on fluid and electrolyte balance.	4	2
2	What are the components of patient information leaflet?	3	2
3	What is medication adherence?	3	2
4	What is pharmaceutical care?	5	2
5	Write about drug utilization evaluation.	8	2
6	Coops of Pharmacovigilance.	6	1
7	Give the normal values of Hb, Hct, MCV, and MCH.	8	2
8	Write the difference between ADR and adverse events.	8	2
9	W. t b - ut poriodic safety undate reports.	4	1
10	List out the verbal and nonverbal skills in patient counseling.		

PART B

Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

		CO	BL
O.No.	Question Question with the role of clinical pharmacist.	5	2
11	Write in detail about drug utilization review and the role of clinical pharmacist. Explain with examples the drug therapy monitoring and pharmacist interventions during	3	2
12	t' at an abort review	6	2
13	Write in detail about renal function tests with the interpretation.	8	2
	Write in detail about renar function tests with the partial with the parti	2	2
15	Explain about critical evaluation of biomedical literature. Explain about critical evaluation of biomedical literature.	4	2
16	Explain about critical evaluation of biomedical Explain the systematic approach in answering Drug information queries.	7	2
17	Write in detail about Poison information Centre.	6	2
18	Write about pulmonary function tests	-	



Code. No.PB082414

Pharm. D (P.B.) I Year (Main) Examination July/August 2024. R. D

Subject: Biostatistics & Research Methodology & 4.4

Max.Marks: 70

Time: 3 Hours

PART- A

 $(10 \times 2 = 20 \text{ Marks})$

	$(10 \times 2 =$		
	Answer ALL questions	CO	BL
Q.No.	Question	1	1
1	Define factorial design.	- li	i
2	Define variance and write its formula.	- 2	2
3	Write down the assumptions to apply Binomial distribution.	1	1
4	State the central limit theorem.	1	1
5	State the term Bias in clinical study.	1	1
6	Define random variable with an example.	1	1
7	Define discrete and continuous variables.		1
8	Define Standard Deviation.	1	2
9	Define histogram with an example.	2	2
10	Explain errors in sampling.	2	2
2.175	DADED		

PART B

	Answer an		lestions			-		$(5 \times 10 = 50 \text{ Mai})$	CO	BL
Q.No.	Question			0 1	05.5236				2	2
11	(a) Discu	ıss differer	nt methods	s of sampli	ng. Folgtion of	officient v	vith suitab	le example.	-	
	(b) Expla	in types o	correlati	on and cor	relation co	ionina Ma	thodology	le example. in pharmaceutical	2	2
12		letail abou	t the elem	ents involv	ved in Des	igning wic	modology	m pharmaceanca.		
	research.		4.2						2	2
13	Write a bi	rief note or	n ing and pr	esentation	of data				1	
- 1	(a) K	ypes of cli	nical desi	one	or data.					
1.4	(b) 1	ypes of ch	NNOVA	with suital	ole examp	e.			3	5
14	Explain C	rite a shor	rt notes or	SPSS	ore enump				3	3
15	(a) W	ifferentiate	e hetween	relative ri	sk. and att	ributable r	isk.			
16	(b) Differentiate between relative risk, and attributable risk. Calculate the mean, mode and standard deviation for the following data						5	5		
16	X	10-20	20-30	30-40	40-50	50-60	60-70			
	F	9	11	15	20	13	8			
17	In a clinic	al trial cor	ducted to	evaluate t	he effectiv	eness of a	new pain	relief medication,	6	6
''	In a clinical trial conducted to evaluate the effectiveness of a new pain relief medication, 8 patients were given the medication and rated their pain level on a scale of 1 to 10 both									
	before and after taking the drug. Using the Wilcoxon signed rank test for paired data find									
	the differences between the pairs.									
			tient	Pain rating	g (before		Pain rating			
		I	D	treatm	ent)	(aft	er treatme	nt)		
			1	8			6.5		1	
			2	6			5			
			3	3.5	5		5.5			
- 1			4	9.5	5		4		1	
1			5	10			6.5			
			6	8			3.5			
			7	9			5			
			8	7			10			
8	Write a she	ort note on	1:						3	3
	(a) Ac	lvantages	of Compu	terized Lit	erature Re	etrieval				
10	21.0	mautarizi	ng the Pre	scription I	Dispensing	process				



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Pharm.D (PB) I Year (3 YDC) (Main) Examination July/August 2024

Subject: Biopharmaceutics and Pharmacokinetics & 4.5

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

		CO	BL
Q.No.	Question	1	1
1	Define absorption and elimination.	2	1
2	What is the use of studying biopharmaceutics and pharmacokinetics?	2	2
3	Explain how protein binding affects elimination of drugs and biological men	3	2
4	Explain the terms dosing interval and loading dose.	4	1
5	Draw different compartment models.	4	2
6	Fundain the terms Css and CsSmin.	4	5
7	Justify the need for a loading dose in IV multiple dosage regimen	4	4
8	Distinguish between zero and first order kinetics?	5.0	
9	When a tablet was taken orally, 1000 mg of drug was absorbed in 10 minutes, calculate	5	3
. Si	t Calcoration	6	5
10	Recommend a dosing interval for a drug having a biological half - life of 12 hours.		

PART B

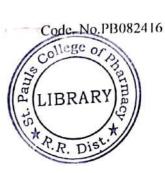
Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

17		CO	BL
Q.No.	Question Question	2	2
11	Explain passive and active absorption of drugs with a neat labelled diagram.	2	2
12	Explain phase II reactions with examples.		1000
13	Explain Phase in redection and biliary recycling of drugs with a neat labelled diagram.	3	2
14	Explain the pharmacokinetics of a drug following one compartment model – IV infusion.	4	2
15	Discuss the kinetics of a drug in multiple dosage regimen.	4	2
0000000	Differentiate between compartmental analysis and non - compartmental analysis.	1	4
16	How do you evaluate pharmacokinetic parameters in non – compartmental analysis?	5	4
17 18	How do you assess the bio-availability of a drug product using blood level data?	5	4



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Pharm.D (PB) I Year (3 YDC) (Main) Examination July/August 2024

Subject & Code: Clinical Toxicology & 4.6

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

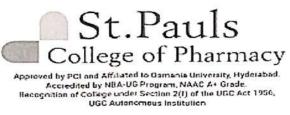
Q.No.	Question	CO	BL
1	Discuss the diagnosis and management of food poisoning.	7	2
2	Write a brief note on toxicokinetics.	3	3
3	Write a brief note on the universal antidote.	5	3
4	List the common caustics and corrosives in toxicological practice. Mention the signs and treatment of alkali poisoning.	3	1
5	Write short notes on catharsis.	4	3
6	Identify and enumerate the methods of elimination of poison. Explain about forced diuresis.	1	2
7	Outline the clinical features of copper poisoning.	5	4
8	Define venom and describe the composition of snake venom and its toxic effects.	6	1
9	Explain the signs and symptoms of cannabis abuse.	8	2
10	Write about the prevention and control of mycotoxin poisoning.	7	3

PART B

Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

Q.No.	Question	CO	BL
11	Evaluate the processes involved in the diagnosis and stabilization of a poisoned patient.	1	5
12	Investigate the symptoms, signs, mechanisms of action, diagnosis, and treatment protocols for organophosphorus compound poisoning.	3	5
13	Explain the signs, symptoms, diagnosis and management of mushroom poisoning.	7	2
14	Describe in detail the various gut decontamination methods.	4	2
15	Write about the early manifestations, complications and management of snake bite injuries.	6	3
16	Write a note on the general principles in the management of heavy metals poisoning.	5	3
17	Assess the clinical features of arthropod bites and the treatment approaches for anaphylaxis.	6	5
18	Describe the signs and symptoms of tobacco abuse and design a treatment strategy for addressing dependence.	8	2





Pharm.D (PB) 1 Year (3 YDC) (Main) Examination July/August 2024

Subject: Pharmacotherapeutics I & II 4.7

Time: 3 Hours

Max.Marks: 70

PART- A

Note: Answer ALL questions

 $(10 \times 2 = 20 \text{ Marks})$

Q.No.	Question	CO	BL
1	Define and classify different types of Arrythmia	1	1 & 2
2	Name the causative organism of Malaria, Gonarrhoea and Syphillis.	7	1
3	List out the signs and symptoms of Bacterial Conjunctivitis	5	1
4	Differentiate between hypertensive urgency and hypertensive emergency.	1	4
5	Define and classify different types of glaucoma	1	1 & 2
6	Categorize the below-mentioned formulas according to their significance. a)Mosteller Formula b)Cockcroft-Gault formula c)Young's formula d) Clark's formula	3	4
7	Differentiate between Osteoarthritis and Rheumatoid arthritis.	8	4
8	Define Cor Pulmonale.	1	1
9	Differentiate between Acute renal failure and Chronic renal failure	10	4
10	Categorize the below-mentioned drugs into different classes according to their use a) Gemfibrozil b) Cholestyramine c) Atorvastatin d) Digoxin	1	4

PART B

Note: Answer any FIVE questions

 $(5 \times 10 = 50 \text{ Marks})$

O No	Question	CO	BL
Q.No.	Explain the treatment algorithm for the treatment of acute MI.	1	2
11	Explain the treathlent algorithm for the treathlent of date breast feeding	4	2
12	Discuss general prescribing guidelines for pregnancy and breast feeding	8	1 & 2
13	Define Osteoporosis. Describe the diagnosis, pathophysiology and management	0	1 & 2
1000	of Osteoporosis.	-	
14	a) Discuss basic principles of cancer chemotherapy.	9	2
1.77	b) Explain the chemotherapy of Breast cancer.		
1.5	a) Classify Diabetes Mellitus. Explain the pharmacotherapy of type I DM.	2	2
15	a " I with a dispathogonosis and treatment of		
	hyperthyroidism		
	nypermyroidism	10	6
16	Write a note on drug induced pulmonary diseases and renal disease.		(20)
	11 amount to a national diagnosed	1	5
17	What dietary and lifestyle changes would you recommend to a patient diagnosed with hyperlipidemia and hypertension to help manage their condition?	1.	
	Write a note on diagnosis, management, prevention and control of Tuberculosis	7	3
18	Write a note on diagnosis, management, prevention and control of the service and the service a		