GOVERNMENT OF KARNATAKA BOARD OF EXAMINING AUTHORITY D. Pharm Part-II Examination (ER-2020) JANUARY 2024 PHARMACOLOGY

Time: 3				Max marks: 80 M		
Note: i)	Answe	r 6 questions from section A, 10 questi	ons from section B and all questions from	section C.		
		diagram wherever necessary.				
111)	VIIZM	er to the point for objective type.	SECTION -A			
Long Es	sav (A	answer any six)	SECTION-A	6X5=30 M		
].	Discus	ss the various factors modifying drug	action	0.A.5-30 M		
2.	Give t	he pharmacological actions of adrena	alin.			
		fy general anaesthetics. Explain the s				
			pharmacological actions of Quinidine.			
5.	Descr	ibe the physiological role of insulin.				
		fy various anticancer drugs.				
7.	Classi	fy antitubercular agents. Explain the	actions and adverse effects of isoniazid.			
	_		SECTION -B	1970 Sect. 1970		
		Answer any ten)	- 	10X3 = 30 M		
8.	Give t	the significance of plasma protein bir	nding.			
9.	What	is myasthenia gravis? Give its treatm	nent_			
10.	Discu	the classification of sedatives and hy	pnotics.			
11.	Name	ss on the drugs used in the therapy of various oral Iron preparations, dosa	a and uses			
13	What	are antitussives? Classify them with	evamples			
14.	Classi	ify various drugs used in the peptic u	lcer			
		the action, uses and adverse effects				
16.	Give 1	the actions and uses of propylthioura	cil.			
17.	Menti	on the physiological role of histamir	ne.			
18.	Expla	in the actions, uses and adverse effection	cts of Zidovudine.			
			SECTION -C			
Objecti	ve type	e (Answer all questions)		20X1 = 20M		
		e first pass metabolism.				
		is agonist?				
21.	Defin	e plasma clearance.				
		is glaucoma?				
		the two uses of miotics.				
		one centrally acting muscle relaxan is the use of amitriptyline?	ι.			
		two oral anticoagulants.				
			lrugs			
	27. Name two prokinetic class of antiemetic drugs.28. Give the two uses of laxatives.					
29.	29. Define biologicals.					
		one biologic product to treat rheum	atoid arthritis.			
		tylmorphine is also called as				
32.	Aceta	zolamide isenzyme inhib				
33.	Parati	normone increases plasma	_levels.			
			on ofon arachidonic acid.			
35.	Matci	n the following				
		A	В			
	1)	Propranolol	a) Staining of teeth			
	2)	Aspirin	b) Dryness of mouth			
	ŕ	•	c) Worsening of bronchial asthma.			
	3)	Ferrous sulfate Atropine	d) Increases salivary secretion			
			e) Peptic ulceration and asthma exacerba	ation		
			f) Pentic ulceration			

GOVERNMENT OF KARNATAKA BOARD OF EXAMINING AUTHORITY

D. Pharm Part-II Examination (ER-2020) JANUARY 2024 COMMUNITY PHARMACY AND MANAGEMENT

Time: 3 Hours Max marks: 80 M

Note: i) Answer 6 questions from section A, 10 questions from section B and all questions from section C.

ii) Draw diagram wherever necessary.iii) Answer to the point for objective type.

SECTION -A

Long Essay (Answer any six)

6X5=30 M

1. Define prescription with its parts and write a note on good dispensing practice.

2. Define patient counseling. Explain the type of barriers for effective counseling and mention strategies to overcome it

3. What are over the counter (OTC) medications? Explain the counseling for OTC products.

4. Define self-medication. Explain the role of Pharmacists in promoting the safe practices during self-medication for cough and cold.

5. Explain the legal requirements to set up a community pharmacy.

- 6. Discuss in detail the common inventory control methods used in community pharmacy.
- 7. Outline the key components of SOP for Pharmacy Management.

SECTION -B

Short Essay (Answer any ten)

10X3=30 M

8. Write a note on history and development of community pharmacy in India.

- 9. Explain the pharmaceutical standard operating procedure(SOPs)
- 10. Explain the steps involved in prescription dispensing process.

11. Write a note on various written communication skills.

12. Explain the scenarios of Patient package Inserts (PPI) use in India and other countries.

13. Highlight the importance of various health screening services.

14. Write the key points to be covered during counseling for over the counter (OTC) products

15. Discuss the role of Pharmacist in OTC medication dispensing.

16. Outline the key features of Pharmacy operation software.

- 17. Discuss the key area where accountancy is important in a community pharmacy.
- 18. Explain the key strategies for effective inventory management in a community pharmacy.

SECTION -C

Objective type (Answer all questions)

20X1 = 20M

- 19. Define community pharmacy management
- 20. Mention any two pharmacy operation softwares.

21. Give some examples for OTC medications.

22. List the Pharmacists advices for fever management

23. Pharmacist advise for mouth ulcers

24. Mention one importance of early detection health screening service.

25. How medication review service is useful.

- 26. List the factors influencing medication non-adherence.
- 27. Mention any two patient counseling points for COPD patients
- 28. List the strategies to overcome medication non-adherence.

29. List the types of communication skills.

- 30. What information can be recorded from medication history interviews
- 31. Enlist the steps to be followed during handling of prescription

32. Define good dispensing practices.

- 33. What do you mean by good pharmacy practice?
- 34. What do you mean by medication adherence?
- 35. Match the following

A

B

- 1) Cholesterol testing service
- 2) First Indian Pharmacopeia was published
- 3) COPD
- 4) Dispensing medications

- a) Taking medications correctly
- b) 1811
- c) Help to identify risk of developing heart diseases
- d) COPD
- e) 1868
- f) Change of the prescription drugs

GOVERNMENT OF KARNATAKA BOARD OF EXAMINING AUTHORITY

D. Pharm Part-II Examination (ER-2020) JANUARY 2024 BIOCHEMISTRY & CLINICAL PATHOLOGY

Time: 3 Hours Note: i) Answer 6 questions from section A, 10 questions from section B and all questions from section C. Max marks: 80 M

ii) Draw diagram wherever necessary.

iii) Answer to the point for objective type.

SECTION -A

Long Essay (Answer any six)

Explain the qualitative tests of carbohydrates.

6X5=30 M

10X3 = 30 M

20X1 = 20M

- Define and classify proteins with examples. Explain the deficiency diseases of proteins.
 Define and classify lipids with examples. Write the functions of lipids.
- 4. Discuss factors affecting enzyme action with graphs and equations.
- 5. Discuss in detail the role of fat soluble vitamins.
- 6. Explain glycolysis. Write its bioenergetics.
- 7. Describe urea cycle. Write its significance.

SECTION -B

Short Essay (Answer any ten)

8. Write a note on biological role of carbohydrates.

9. What are essential amino acids? List them.

10. Functions of RNA.

11. Write a note on diagnostic applications of enzymes.

- 12. Write the functions of Vitamin C, vitamin B12 and folic acid.
- 13. Write a note on ketone bodies, its test and significance.

14. Explain transamination with an example.

15. Write the functions of calcium, iron, phosphorous.

16. Write a note on water balance.

17. Mention the abnormal constituents of urine. Write their significance.

18. What is lipid profile?

SECTION -C

Objective type (Answer all questions)

19. Who coined the term 'Biochemistry'?

20. Structure of sucrose.

- 21. Give two examples of unsaturated fatty acids.
- 22. Mention pyrimidine bases.

23. What is holoenzyme?

- 24. What is an inhibitor? Give an example.
- 25. Role of biotin.
- 26. What is normal level of cholesterol in humans?27. Write the deficiency diseases and symptoms of iodine.28. What is RDA for zinc?

- 29. Which is the major anion of extracellular fluid?
- 30. Define genetic engineering.
- 31. Rothera's test is used to test.
- 32. Proteins acting as bio-catalyst are called as _____

33. Full form of SGPT is _

- 34. Vitamin B12 deficiency causes ____
- 35. Match the following:

- 1) Glycogenesis
- ATP gain in TCA cycle 2)
- Cytochrome oxidase
- Albinism

- a) 38 ATPs
- b) Electron Transfer Chain.

В

- c) Synthesis of glycogen
- d) 12 ATPs
- e) Breakdown of glycogen
- f) Abnormal protein metabolism

GOVERNMENT OF KARNATAKA BOARD OF EXAMINING AUTHORITY D. Pharm Part-II Examination (ER-2020) JANUARY 2024 PHARMACOTHERAPEUTICS

PHARMACOTHERAPEUTICS Time: 3 Hours Max marks: 80 M Note: i) Answer 6 questions from section A, 10 questions from section B and all questions from section C. ii) Draw diagram wherever necessary. iii) Answer to the point for objective type. SECTION -A Long Essay (Answer any six) 6X5=30 M 1. Write the etiopathogenesis, pharmacological and non-pharmacological management of hypertension. 2. Define TB. Write in brief about clinical manifestations and management of it. 3. Write etiology, pathophysiology and classification of Diabetes. 4. Discuss in detail about pharmacological management and psychosocial intervention in Alzheimer's 5. Briefly explain about etiopathogenesis of peptic ulcer and role of anti-ulcer agents in its treatment. 6. What is opportunistic infection? Write their etiopathogenesis and pharmacological management. 7. Write a note on etiopathogenesis and clinical manifestations of epilepsy. Write different types of epilepsy and two drugs used in its treatment. SECTION -B Short Essay (Answer any ten) 10X3=30 M 8. Define megaloblastic anaemia along with their clinical manifestations.9. What are the scope and objectives of Pharmacotheraputics? 10. Write the etiopathogenesis and non-pharmacological treatment of alcoholic liver disease. 11. Write in detail management of osteoporosis. 12. Briefly mention about diagnosis and investigation tests for hyperlipidemia. 13. Write a detail note on pharmacological management of U.T.I 14. What are migraine triggers? List out home remedies in its treatment. 15. Write a note on diagnosis and investigations of C.H.F 16. Define anxiety. Write the pharmacological treatment of anxiety. 17. What are the common types of asthma? Enlist various substances that trigger asthma. 18. Give a note on clinical manifestation and pharmacological management of hypothyroidism. SECTION -C 20X1 = 20MObjective type (Answer all questions) 19. Define Angina pectoris. 20. Name any two diseases of antimicrobial resistance. 21. What is a standard treatment guideline? 22. Define bronchodilators and give examples. 23. What is crohn's disease? 24. Define premenstrual syndrome. 25. What is radio iodine therapy? 26. Write etiology of dysmenorrhea. 27. What is rheumatoid arthritis? 28. What is megaloblastic anaemia? 29. What is depression? Name one drug used in its treatment. 30. Define eczema. 31. Osteo arthritis is condition which affects __ 32. ____ is first line antipsychotic drug.33. Oral anti-estrogen medication in poly cystic ovarian syndrome is ____. 34. Degeneration of retinal and optic nerves leads to condition..... 35. Match the following \mathbf{B} A a) Viral infection Gonorrhea 1) b) Excitement laser therapy COVID-19 2) c) STD Leishmaniasis 3)

Psoriasis d) Protozoal infection

4)

e) Cystoscopy

1) Auto immune disease

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GOVERNMENT OF KARNATAKA **BOARD OF EXAMINING AUTHORITY** D. Pharm Part-II Examination (ER-2020) JANUARY 2024 HOSPITAL AND CLINIC

HOSHIAL AN	D CLINICAL PHARMACY
Time: 3 Hours	Max marks: 80 M
Note: i) Answer 6 questions from section A, 10 question	ns from section B and all questions from section C.
ii) Draw diagram wherever necessary.	
(ii) Answer to the point for objective type.	
	SECTION -A
Long Feeny (Answer any six)	6Y5=30 M

1. Describe the process of development of Hospital Formulary.

What is periodic checking of expiry? Write the SOP for the same.

- "Medication need to be stored in appropriate storage conditions". Elaborate the statement.
- 4. What is complete floor stock drug distribution? Give its advantages and disadvantages.
- 5. Describe the various steps involved in patient counseling.
- 6. Classify ADR. Explain Hyperrsentivity reactions.
- 7. Explain pulmonary function test.

SECTION -B

Short Essay (Answer any ten)

8. Write a short note on NABH accreditation.

- 9. Describe the role of clinical pharmacist in ADR management. 10. Add a note on prevention of misuse of reserved antibiotics.
- 11. Write a note on distribution of drugs in NICU.
- 12. What are the possible medication errors observed while preparing and administering IV admixture.
- 13. Explain the importance of computer software in inventory control in hospital.
- 14. Give the goals and objectives of clinical pharmacist on ward round.
- 15. Add a note on drug induced hematologic disorders.
- 16. Describe the role of clinical pharmacist in interpretation of clinical laboratory test.
- 17. Give the symptoms, fatal dose and treatment for opium poisoning.
- 18. Enlist different types of medication errors as per ASHP.

SECTION -C

Objective type (Answer all questions) 19. Give examples for the movable equipment used in outpatient dispensing.

20. Define investigational drugs.

- 21. Write the formula to calculate stock turnover rate.
- 22. Walk in freezer can maintain the temperature in what range.
- 23. Define satellite pharmacy.
- 24. What are IV admixtures?
- 25. What are radiopharmaceuticals?
- Expand MAR.
- 27. Define anaphylaxis.
- 28. Give the normal range of TSH.
- 29. Define Pharmacovigilance
- 30. As per NCC MERP medication errors is defined as?
- 31. pH of IV dextrose solution is
- The presence of bilirubin in urine analysis indicates ____
- 33. In asthma, the value of FVC (Forced vital capacity) increases or decreases _____.
- 34. CDSCO is located in _
- 35. Match the following

 \mathbf{B}

10X3=30 M

20X1 = 20M

MEDIPHER 1)

a) LASA drugs

Glaucoma 2)

b) Copper sulphate

Oxalic Acid 3)

c) Morphine

Retrovir-Ritonavir 4)

- d) Lime
- e) Atropine
- f) Medication monitoring software

GOVERNMENT OF KARNATAKA BOARD OF EXAMINING AUTHORITY D. Pharm Part-II Examination (ER-2020) - JANUARY- 2024 PHARMACY LAW AND ETHICS

, íme: 3 Hours		Environ Environ	34 1 00 34
		, 10 questions from section B and all question	Max marks: 80 M s from section C.
iii) Answer	to the point for objective t		
Long Essay (Ans	(Wer any six)	SECTION –A	
 Describe Describe Describe 	the salient features of Edi the prescribed qualificati the constitution and func	ion and duties of Government Analyst	6X5=30 М ГАВ)
5. State Ph 6. Explain	armacist's Oath and descri e-governance of license	to be included in the National List of Essent be the relationship to be maintained with the second s	atial Madiatas Off END
	the satient aspects of New	v Drugs and Clinical Trial Rules,2019	
Charles (1		SECTION -B	
Short Essay (A	nswer any ten)		10X3=30 M
9. Explain the	ne functions of Pharmacy C sampling procedure to be f	Council of India	
10. What is a	oan license?	lollowed by Drug Inspector	
11. Describe t	be offences and penalties un	nder Narcotic and Psychotropic Substances Act,	1005
· Z. Willat all	conditionally exempled ad-	Verticementel	, 1983
13. Describe i	he constitution of Institution	onal and Animal Ethics Committee	
14. Describe i	he salient aspects of Poison	ns Act. 1919	
16. Explain th	e requirements of experience	of a formulation according to Drugs Price Co	ntrol Order, 2013
17. Describe t	he organogram of Central D	ce / training for a registered medical practitioner Orugs Standard Control Organization (CDSCO)	to terminate a pregnancy
18. What are	the different types of licen	ises coming under the umbrella of Pharmaceu	tigal business?
		SECTION –C	tical business?
Objective type	(Answer all questions)		20X1 = 20M
19. Give the c	olour code for biomedical v	vaste collection bins	202
21. What is N	objective of Clinical Establ lagic remedy?	lishment Act	
22. Define Ca	nnabis (Hemp)		
Define Ph	armaceutical legislation		
24. Explain th	e acronym CPCSEA		
25. Give the l	abel requirement for food	products	
26. Define Re			
	two drugs included in NLE Community Pharmacy?	EM	
	ate Branded drug and Gen	neric drug	
30. Enumerate	the functions of blood bank	k	
31 Rules for I	Orugs and Cosmetics Act v	were framed in the year	
32	is the National regulatory a	authority for Drugs and Cosmetics in India	
33. Discarded	medicines and cytotoxic	waste should be disposed in	
34.	has laid out National eth	nical guidelines for biomedical and health res	search involving human
participants 35. Match the	follouána		
33. Match the	A		~
1)	NDMA	a) Emergency use outlesis	В
2)	1948	a) Emergency use authorizationb) Establishment of blood bank	
3)	CDSCO	c) Pharmacy Act	
4)	Medical device		
.,		d) Disaster management	
		e) Diagnosis, prevention and rf) Consumer protection	HOHHOFING
		i, consumer protection	