Institute Code-0231

\mathbf{R}	. 11	NI.	
FC ()	ш	170	١.

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

	SECOND SESSIONAL THEORY EXAMINATION 2	2022-23
Class	Subject: Pharmaceutics (20111)	N N 1 1 10
	- First Year D. Pharm 03/04/2023	Max.Marks- 40 Time- 90 Minutes
Instr	uctions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary. 3) Black figures to the right indicate full marks.	
Q.1	Attempt any THREE of the following. a) Explain principle construction, working & application of cyclone sep diagram. b) Explain principle construction, working & application of fluidized by	ed dryer suitable diagram
7	c) Explain the principle of Soxhlation. Explain the construction, workingd) Define Emulsion discuss in brief about formulation of emulsion.	ng of Soxhlet apparatus.
Q.2	Attempt any FIVE of the following. a) Define Filtration. write objective & application of filtration. b) Enlist method of suspension.explin suspension containing indiffusib c) Differentiate between organized and unorganized drug. d) Differentiate between Soft gelatin & hard gelatin capsules. e) What is creaming?discuss the various factor on which rate of creamif Mention the various quality control test for tablets. Describe the app Disintegration test.	ing depends.
	a) The mechanism of double cone blender is	10 Marks
)	 i)Shear ii)Diffusion mixing iii)Turbulent mixing iv)molecular diffusion b) An unequal distribution of colour on the surface of coured tablet isi)Mottling ii)Capping iii)Picking iv)Chipping c) Oral emulsion are mostly 	Sion
	 i)o/w ii)w/o iii)o/w/o iv)w/o/w d) Liqid Liquid extraction also known as solvent extraction and	by the addition of
1 1 1	g) HLB Stands for	

|--|

Institute code	0231

Pune District Education Association's

Class-	Subject: Pharmaceutical Chemistry (20112) First Year D. Pharm	Max.Marks- 40 Time-90min
Date- 0	05 /04/2023	Time-your
	Three of the following.	(15 Marks)
a)	tempt any Three of the following. Classify antibiotics according to chemical structure with example the structure of the basic nucleus of Penicillin. Also give structure its chemical name.	e of Amoxicillii with
b)	Define hypertension. Draw structure and give storage co	
c)	What are diuretics? Give structure, chemical name, pharmaceu	
d)	Draw structure &Give chemical name, uses, official preparatio Paracetamol.	ns & brand name of
	E' of the following	(15Marks)
). 2 A	ttempt any Five of the following. Draw the chemical structure of Chloramphenicol. Give its uses &	brand name.
a)	Define neoplasm & classify Antineoplastic agents with example.	
b)	Classify antihypertensive agents. Give the uses, pharmaceutical	formulation & brand na
	of Captopril.	
d)	Give structure, uses & brand names of Ibuprofen.	zamnles
e)	What is diabetes mellitus? Classify Hypoglycemic agents with ex	Mampies.
f)	Give uses, official preparation & brand names of Metformin.	
	N. C. a. Organiana	(10 Marks)
	Objective Questions.	•
a)	Define Antibiotics. Select the drug from the following which acts as Alkylating antic	cancer agents.
b)	i)5-Elucrouracil ii) Cyclophospamide iii) Doxorubicin	iv) Vincristine
		21)
c)	In what dosage form Azithromycin is given? Which of the following NSAID's is Phenyl	acetic acid derivat
	i) Diflunisal ii) Aspirin iii) Mefenamic acid	
e)	Glibenclamide is used as	ati inflammatory
	i) Oral hypoglycemic ii) Antineoplastic agents iii) Diuretic iv) A	ana-mnammatory
f)	What is Cardiac arrhythmia?	
g)	Give the uses of Benzyl penicillin.	
h)	Draw the structure of Cisplatin.	
i)	Crocin ® is the brand name of	=
	i) Aspirin ii) Paracetamol iii) Ibuprofen	iv) Diclofenac
j)	State the uses of Pioglitazone hydrochloride.	

	0.1	- 0	1	7	1
nstitute	Cod	e-t	ΙZ		ı

Roll No.

	m	T. J Alam	Association's	
Duna	District	Education	Association 5	

Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

SECOND SESSIONAL THEORY EXAMI	INATION 2022-23
Subject: Pharmacognosy (20 Class- First Year D.Pharm Date- 06/04/2023	Max.Marks- 40 Time-90 Minutes
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary 3) Black figures to the right indicate full marks.	
Q.1 Attempt any THREE of the following.	15 Marks
 a) Define Alkaloid & Explain Precipitation test of alkaloids. b) Define Oxytocic drug, Explain Life cycle of Ergot with diagram. c) Define & Classify Fibers, Differentiate between Plant & animal d) Explain role of medicinal and aromatic plants in national economy. 	noer.
2.2 Attempt any FIVE of the following.	15 Marks
 a) Define & classify Herbal formulations with suitable examples. b) Write biological source with family, chemical constituents of i) of the control of th	& Volatile oil.
Q.3 Attempt ALL of the following. a) Which drug having synonym Indian Safrron: i) Coca, ii) Benzoi	10 Marks in, iii) Vinca, iv) Turmeric
b) Define Diuretic drug with example.	
c) Neem belonging to family: i) Zingiberaceae, ii) Meliac	ceae, iii) Liliaceae, iv) Rubiaceae
(1) Write use of: i) Ipecac, ii) Benzoin	
e) Mention name of drug containing: i) Vincristine, ii) Morphine	
f) May-apple root is synonym of	
g) Borntrager's & Modified Borntrager's test are performed for	and drugs.
h) Catechin test is performed for identification of: i) Tannin, ii) Re	esin, iii) Fixed oil, iv) Alkaloid
i) Mention synonym of Pterocarpus	
:) Give name of drug belongs to given families: i) Theaceae ii) Fi	rythoxylaceae

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

SECOND SESSIONAL THEORY EXAMINATION	
Subject: Human Anatomy & Physiology (2011) Class- First Year D.Pharm	
Date -08/04/2023	
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary. 3) Black figures to the right indicate full marks.	
	Marks 15
Q. 01 Solve any three of the following. a) Draw a well labeled diagram of heart. Name valves and chambe	
Explain cardiac cycle. b) Name organs of digestive system .Give composition and function	on of gastric juice.
 c) Explain mechanism of breating. d) Name four fundamental tissues of body and difference between 	smooth and skeletal
muscle.	Marks 15
 Q. 02 Solve any five of the following. a) Define: i) Cardiac output ii) Stroke volume iii) Blood pressure. b) What is blood pressure? Explain its control. c) Explain in detail circulation of blood with the help of diagram. d) Explain any two heart diseases. e) Write six functions of liver. f) Explain four point of physiology of digestive system. 	
f) Explain four point of physiology of digestive sy	Marks 1
Q. 03 Solve all of the following.	
a) The chamber of the heart responsible for receiving blood as it is has been reoxygenated i) Right atrium ii) Right ventricle iii) Left atrium iv) left b) Thymus is responsible for secreting	ventricle al cells. Plasma cells
i) Thymosin II) Growth normalise III) Blood pressure is the pressure exerted by blood against i) Kidney ii) Brain iii) Artery wall iv) Stomach d)stimulates the production of gastric juice in the s	
i) Enterokinase ii) Kenin iii) Gasuiii iv) Digestiii	
i) Stomach ii) Liver III) Pancreas IV)Gail bladder	um
i) Mediastinum ii) Peristinum iii) Epistinum iv) Endostin g) Exchange of O2 and CO2 between tissue blood capillaries and i) Internal respiration ii) External respiration iii) Cellular	
h) Myosin cross bridge are extensions of	;
 i) Actin ii) Myosin iii) Troponin by None of the acting iii) The exchange of gases between the external environment and i) Respiration iii) External respiration iii) Cellular respiration iii) In which part of the respiratory system gaseous exchange tak i) Alveoli ii) Pharynx iii) Larynx iv)Trachea 	ation iv) None of the abo

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, D SECOND SESSIONAL THEORY EXAMINATION 2	vistPune. 022-23
Subject: Social Pharmacy (20115)	· · · · · · · · · · · · · · · · · · ·
Class-First Year D.Pharm Date-10/04/2023	Max.Marks- 40 Time-90 Minutes
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary. 3) Black figures to the right indicate full marks.	
 Q.01 Solve any THREE of the following. a) Give causative agent, mode of transmission, incubation period signs and and control for TB. b) What is adulteration? Elaborate types of adulteration with examples. c) Define diarrhea. Explain in detail acute diarrhoeal diseases. d)Define nutrition, micronutrient and macronutrient. Explain in detail class 	
 Q.02 Solve any FIVE of the following. a) What is malnutrition? Write ill effects of junk food. b) Explain stages involved in progression of Measles. c) Define GMF. Write any 6 advantages of GMF. d) Enlist various Arthropod borne infections and give the causative agent a transmission of Malaria. e) Write definition and function of proteins. f) AIDS stands for? What are prevention and control measures for AIDS? 	Marks15 and mode of
Q.03 Solve ALL of the following. a) What are carbohydrate. b) is causative agent of cholera. i) Yersinia pestis ii) Vibrio Cholerae iii) Treponema palidum iv c) Enlist types of fortification. d) Zoonotic disease Are transmitted through? i) Animals ii) Flies iii) Human iv) All of these e) Dietary supplement includes i) Folic acid ii) Vitamin C iii) Omega 3 fatty acid iv) All of above f) MDM scheme is i) Mid-Day meal ii) Main-Menu meal iii) Mid-Diet meal iv) Nong) Kwashiorkar and Marasmus are deficiency diseases of i) Carbohydrates ii) Proteins iii) Lipids iv) Minerals h) Define pandemic. i) What does food-drug interaction mean? j) DTP stands for?	

Pune District Education Association's . Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

	ax.Marks- 40 me- 90 Minutes
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary. 3) Black figures to the right indicate full marks.	
Q. 01 Solve any three of the following.	Marks 15
 a) What is 'Preanesthetic medication'? Name the drugs commonly used for preanesthetic medication. b) Give pharmacological details of 'Levodopa'. c) Define and classify 'Antihypertensive drugs'. d) Which are the reasons to cause 'Anaemia'? Give the treatment of anaem 	
Q. 02 Solve any five of the following.	Marks 15
 a) Classify 'Hypnotics and Sedatives'. b) Write short note on 'Glaucoma'. c) Give details about 'Nootropic Agent'. d) Define and classify 'Antiepileptic drugs'. e) Write note on 'Calcium Channel Blockers'. f) Describe the stages of 'General Anaesthetics'. 	
Q. 03 Solve all of the following.	Marks 10
a)% of epilepsy cases are preventable. b) What is euphoria? c) Constriction of pupil is called as d) Name the disease cause due to increase and decrease in dopamine level. e) Enlist any two preparation of iron with dose. f) Give one example of semisynthetic and synthetic opioid analgesic drug. g) Spironolactone has structural similarity with h) Define shock. Enlist its two types. i) What is mean by seborrhea & anorexia. j) In anaemia, where the size of RBC is normal but colour is less called as i) Normocytic-normochromic, ii) Normocytic – hypochromic, iii) Microcytic, iv) Macrocytic.	

Roll No.	
TOU TOU	

Seth Govind Raghunath	Sable College of Phar		DistPune.
SECOND SESS	IONAL THEORY EX	XAMINATION 2022-2	3
Subject: Comm Class-Second Year D.Pharm Date-21/02/2023	nunity Pharmacy and	•	. Marks- 40 e-90 Minutes
	re compulsory. beled diagram whereve the right indicate full		
Q. 01 Solve any three of the foll a) Define communication. Write b) What is CRM. Explain variou c) Enlist and elaborate factors in d) Explain in detail site selection	in detail patient intervi s parameters involved fluencing medication n	in CRM with suitable di	Marks 15 agram.
Q. 02 Solve any five of the followa) Describe role of pharmacist is b) What are the documents requestion of Discuss in detail types of cond do Define and classify mHealth e) How is medication compliant f) Explain EOQ methods of analysis.	n ensuring medication ired for the new applic nmunication ce different from medic	cation of retail/wholesale	Marks 15 e drug license
 Q. 03 Solve all of the following. a) Which one of the following catily Schedule H1 drugs ii) Narch b) Identify the odd term from the i) Adherence ii) Compliance it c) Which one of the following terminatory? i) Conversion cost ii) Purchased d) Give graphical determination of the purchase invoice is an impugears. i) Two years ii) Three years iii) Following factor of the foll	totics iii) Banned drugs following ii) Concordance iv) No ms best explain the tot cost iii) Production co f EOQ. ortant document to be our years iv) Not neces contribute to non-comp ii) Fear of becoming iv) All of these	s iv) OTC drugs on-Compliance al cost required to hold to ost iv) Carrying cost retained by community ssary to retain oliance?	the
 i) VED analysis stands for	? e following are the tru ii)	Prevent occurrence of	common errors
iii) Establishing positive relations	hip with customers iv)	Useful for better plann	ing and budgeting

Institute Code-0231 Pune District Education Ass Seth Govind Raghunath Sable College Of Pharmac	
SECOND SESSIONAL THEORY EXAM	MINATION 2022-23
Subject: Biochemistry & Clinical Pathology Class- Second Year D.Pharm Time- 90 Min	Subject Code-20223 Max.Marks- 40 Date- 22/02/2023
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necess 3) Black figures to the right indicate full marks.	
Q.01) Attempt any THREE of the following.	(15 Marks
 a) Give details & schematic presentation of β-oxidation of b) Enlist factors affecting rate of enzyme catalyzed reaction pH & Concentration of enzyme with the help of curves. c) Give name of Co-enzymes of the following Vitamins: i) Riboflavin ii) Pentothenic acid iii) Folic acid d) Define the following terms:- i) Acid value ii) Iodine value iii) Saponification value 	on. Explain in detail effect of Temperature d iv) Thiamine v) Niacin
Q.02) Attempt any FIVE of the following.	(15 Marks)
 a) Explain theories of enzyme mechanism of action with of b) What is dehydration? Give its causes, symptoms & treat c) Give pharmaceutical and diagnostic significance of Enze d) Explain the role of Vitamin A in vision. e) Explain the role of lipids in biological membrane/Fluid f) Explain water balance in human body and its functions. 	atment. izymes. d mosaic model.
Q.03) Attempt ALL of the following.	(10 Mark
 a) Differentiate between Fats & oil. b) Draw structure of Cholesterol. c)is the deficiency disease of Vit. D. d) What is the biochemical role of Iron? e) Name the antioxidant fat soluble vitamin. 	

f) Define minerals.

i) Vit.K

i) Pellagra

i) Draw structure of Niacin.

g) The vitamin of which deficiency leads to Hemorrhage is----

ii) Vit. B1

ii) Beri-beri

h) The deficiency disease of Vitamin B1 is ----

j) State the biochemical functions of Calcium.

iii) Vit.C

iii) Pernicious anemia

iv) Vit.B3

iv) Megaloblastic anemia

Institute Code-0231

Roll No.	

Pune District Education Association's

Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

	SECOND SESSIONAL THEORY EXAMINATION 2022-23				
	Subject: Pharmacotherapeutics (20224)				
Class- Second Year D.Pharm Max		Max.Marks- 40			
	Date-23 /02/2023	Time-90 Minutes			
Instr	uctions: - 1) All questions are compulsory.				
	2) Draw a neat labeled diagram wherever necessary.				
	3) Black figures to the right indicate full marks.				
Q.1	Attempt any THREE of the following.	(15 Marks)			
_	a) Explain management of thyroid disorder				
	b) Explain etiopathogenesis and pharmacological management of Alzh				
	c) Explain etiopathogenesis and pharmacological management of pept	ic ulcer			
	d) Explain etiopathogenesis & clinical manifestation of epilepsy.				
Q.2	Attempt any FIVE of the following.	(15 Marks)			
	a) Differentiate between hyperthyroidism and hypothyroidism				
	b) What is parkinson's disease?explain clinical manifestation of parkin	son's disease			
	c) Differentiate between CD & UC				
	d) Explain pharmacological management of megaloblastic anaemia.				
	e) Explain Pharmacological management of T.B				
	f) Explain etiopathogenesis of pneumonia.				
Q.3	Attempt ALL of the following.	(10 Marks)			
	a) virus is an RNA virus from pcoronavirus family	,			
	i) Hepatatis A ii) Hepatatis B iii) Hepatatis C iv) Hepatatis D				
	b) Focal neurological deficits are involved in				
	. i)Epilepsy ii)Angina iii)MI iv) Stroke				
	c) Alcohol related cirrhosis is the final stage of				
	i)ALD ii)CD iii) GERD iv)UC				
	d) Select First line drug for the treatement of tonic clonic seizure				
	i)Zonisamide ii)Carbamazepine iii)clonazepam iv) Lamotrigine				
	e) Megaloblastic anaemia is a type of anaemia				
	i) Macrocytic ii) Normocytic iii) Microcytic iv) None of these				
	f)Myxoedema is a condition associated with				
	i) Hyperthyrodism ii)Hypothyrodism iii)MI iv)CHF				
	g) Define Hyperthyrodism				
	h) Define Stroke				
	i) What is Fistula				

j) NSAID induced ulcers are treated by

i)PPI ii)Antacid iii)Misoprostal iv)None of these

Institute Code-0231

0 -11	No.	1
~ ^ 1	TWO.	1

Pune District Education Association's Seth Govind Raghunath Sable College of Pharmacy (Poly), Saswad, Dist.-Pune.

SECOND SESSIONAL THEORY EXAM	4INATION 2022-23
Subject: Hospital & Clinical Pharm Class- Second Year D.Pharm	macy (20225) Max.Marks- 40 Time-90 Minutes
Date- 24/02/2023	1 mie 70 mie
Instructions: - 1) All questions are compulsory. 2) Draw a neat labeled diagram wherever necessary. 3) Black figures to the right indicate full marks.	nry.
O. 1. Att THEFE of the following	(15 Marks)
 Q.1 Attempt any THREE of the following. a) Enlist methods of drug distribution in hospital, Explain b) Define EHR. Describe role of computer in Inventory of c) Define Clinical Pharmacy, Explain development of clin d) What is Ward round participation of clinical pharmacis 	nical pharmacy in India.
3	(15 Marks)
 Q.2 Attempt any FIVE of the following. a) Write goal, principal & functions of Pharmaceutical ca b) Define & Classify Outpatient. 	re.
c) Explain storage, dispensing and disposal of radiopharm d) Give full forms of given abbreviations: i) ICU, ii) UDI e) Define: i) Bulk compounding, ii) Total Parentral Nutrit	JS, III) L V I
f) Write note on: i) Home Medication Review, ii) IV adm	ixture
 Q.3 Attempt ALL of the following. a) A single unit package is one which contains one completion i) Pill, ii) Capsule, iii) Tablet, iv) All of given b) A Chemical incompatibility means the drug is chemication i) Oxidation ii) Reduction, iii) Decomposition, iv) All of the production for parenterals is divided into sected. d) The hospital radioactive waste is mostly composed of i) High level waste, ii) Low level waste, iii) Medium lee e) Computer generated prescriptions created by healthcare i) E-Prescriptions, ii) Prescriptions, iii) Orders, iv) All of is a special vocabulary used by health care communication. g) is a branch of medicine that deals with and the medical care and treatment of aging people. i) Geriatric, ii) Anti-natal Care, iii) Postnatal care, iv) Ahh The compounds or substances which exhibit radioactivity various purposes are called as	ally degraded due to f given. ions. Evel waste, iv) All of given. provider are of given professionals for effective and accurate h the problems and diseases of old age all of given ity and which are used in medicine for both a & b, iv) None of given

	-	The state of the s
Institute	code	0231

Roll No.

PUNE DISTRICT EDUCATION ASSOCIATION'S SETH GOVIND RAGHUNATH SABLE COLLEGE OF PHARMACY (POLYTECHNIC), SASWAD, DIST. - PUNE.

Second Sessional Theory Examination 2022-23

	Subject:	Pharmacy	Law an	d Ethics	(20226)

Class: Second Year D. Pharm. Max. Marks: 40

Instructions: - 1) All questions are compulsory.

2) Black figures to the right indicate full marks.

Q.1 Attempt any THREE of the following.

15 Marks

- a) What is the objective of D & C Act 1940? Write constitution & functions of Central Drug Laboratory (CDL).
- b) What is CPCSEA & Give its functions?
- c) What are qualifications, duties and power of Drug Inspector?
- d) Define the following terms: i) Druggist & Chemist ii) Adulterated drugs iii) Cosmetics iv) Schedule M v) Misbranded Drugs.

Q.2 Attempt any FIVE of the following.

15 Marks.

- a) What are the duties and functions of FSSAI?
- b) Define code of ethics. Discuss the code of ethics for pharmacist in relation to his job.
- c) Give the objectives of Disaster Management Act 2005. Write the offences and penalties of Disaster management act 2005?
- d) Explain the procedure of solving the ethical problems.
- e) Define Cruelty to animals. Write the objectives of the Prevention of Cruelty to Animals Act.
- f) Define Government analyst. Give the qualifications and duties of government analyst.

Q.3 Attempt ALL of the following

10 Marks

- a) According to the Prevention of Cruelty to Animals Act, 1960 animal means any living creature except...... (i) Birds (ii) Human Beings (iii) Insects (iv) Microorganism
- b) A blood bank is __ i)Where blood is collected iii)Where blood is separated iv)All of the above
- c) In which city the National Institute of Disaster Management is situated? i) Kolkata ii) New Delhi iii) Hyderabad iv) Manipur
- d) What is CDSCO?
- e) Write the functions of Blood bank.
- f) Handling of prescription is a part of ethics related to ---- i) Pharmacist in relation to his job ii) Pharmacist in relation to his trade iii) Pharmacist in relation to medical profession iv) Pharmacist in relation to his own profession
- g) Define Disaster?
- h) What is Food Safety?
- i) The full form of IAEC-----
- j) What is Schedule G?