

KALSEKAR TECHNICAL CAMPUS, NEW PANVEL
Approved by : All India Council for Technical Education, Council of Architecture, Pharmacy Council of India How Delhit,
Recognised by : Directorate of Technical Education, Govt. of Mahareshira, Affiliated to : University of Mambai.

□ SCHOOL OF ENGINEERING & TECHNOLOGY

SCHOOL OF PHARMACY

SCHOOL OF ARCHITECTURE

	REV:00 QUESTION PAPER PERIODIC TEST ASS: Third Year B. Pharm		(M-04(a))	
SCI	HEME:- PCI Syllabus	SEM:- V		
SUI	BJECT:- Medicinal Chemistry-II			
DU	RATION:- 60 mins	DATE:- 1		
	1: Multiple choice Questions	MARKS:-		
a)	Cisplatin is used in the treatment of		Marks	C
	a. Breast cancer c. Testicular cancer		1	
-	b. Leukemia d. Adrenocortical carcinoma			
b)	6-Mercaptopurine inhibits			1
-,	DATA D. I		1	
	c. Imoputine Methyl transfer	ase		
c)	L-isomer of Phenylalanine alkylating agent used in the treatment of cancer			
,	a. Melphalan c. Mechlorethanamine		1	
	the City of the Ci			
d)	Folic acid antagonist used in the treatment of various lung cancer is			
	a. Cyclophosphamide c. Doxorubicin		1	
	b. Methotrexate d. Mechlorethamine			
e)	SM is a 17-year-old boy with single kidney who is diagnosed with acute lymphoblastic leukemia			
	was given cyclophosphamide as part of treatment. Continuous fluid has been flushed to keep	and	1	
	bladder irrigated but still showing symptoms of bladder toxicity. Which prophylactic treatment	his		
	will suggest for the SM?	you		
	a. Leucovorin c. Mesna			
	· -			
)				
,	Which class of antibody is associated with allergic reaction? a. IgE b. IgG		1	
1				
()	What are the characteristics of 2 nd generation H1 antihistamines? a. Selective for peripheral H1 receptors b. Opposed to CNS H1 receptor		1	
	a. Selective for peripheral H1 receptors b. Opposed to CNS H1 receptor	rs		
	c. Selective for peripheral H1 receptors and opposed to CNS receptors d. Selective to H1 receptors of CNS			
)				
'	Histidine decarboxylase needs a co-factor for biosynthesis of Histamine: a. pyridoxal-5'-phosphate b. FcR1		1	1
	11.			
)	Cardiotoxicity is the major side effect of			
'			1	4
	Doll 1			
	C. Third generation anti-histamines A patient was given a topical mast cell stabilizer to treat her hay fever symptoms in her eyes. Iden			
	name of the drug:	ntify the	1	1
	a. Cromolyn Sodium b. Fexofenadine			
1	c. Cetrizine c. Cimetidine			
02	: Long answers (Any one)			_
)	Classify Alkylating agents with relevant structures. Explain mechanism of action. Outline the syn			
1	of Mechlorethanamine.	thesis	10	2,
)	Categorize H1 antihistamines and write the mode of action along with synthesis for diphenhydran			
		nine.	10	2,
	Short Answers (Any two)			
)	Cardiac toxicity is major side effect of anthracycline antibiotics. Justify.		5	4
)	Explain activation and mechanism of action of fluorouracil. (Reactions are expected)			
)	Explain why do we call PPIs as irreversible inhibitors with diagram? Discuss the SAR for H2 anta		5	3
	ante and the call I I is as interestible lillibitors with diagram? Discuss the SAR for H2 ante	acids	5	3



ANJUMAN-I-ISLAM'S KALSEKAR TECHNICAL CAMPUS, NEW PANVEL

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	EV:00 QUESTION PAPER PERIODIC TEST		I-04(a)	•
LAS	S:- Third Year B.Pharm	SEM:-V		
	EME:- PCI Syllabus	DATE:- 19/0	18/2023	
	ECT:-Industrial Pharmacy-1			
	ATION:- 60 mins		Marks	CO
2.01:	Multiple Choice Questions Note that the limit of weight variation as per IP is ± w/w.		1	
a)	a. 2.5% b. 5%			
	c. 7.5% d. 10%		1	
b)	Which dosage form is exempted from the Disintegration Test?? a. Conventional tabletsb. Sugar-coated tablets c. Enteric-coated tablet d. Chewable tablets			
c)	PH of the solution depends on which law? a. Henderson-Hasselbalch equation c. Charle's law d. Dalton's Law		1	
d)	is example of glidant. a. Aerosil b. Microcrystalline cellulose c. Avicel d. Sorbitol		1	
e)	Tap density apparatus is used to determine a. Partition coefficient b. Flow property c. Organoleptic property d. Intrinsic dissolution		1	1, 2
f)	Wet gum method is used to manufacture a. Syrup b. Emulsion c. Aromatic waters d. Suspension		1	
g)	In multistation tablet press guides the movement of punches. a. Turrets b. Feed frame c. Cam track d. Capacity control		1	
h)	The adhesion of tablet material to the die wall is called a. Picking b. Capping c. Sticking d. Mottling		1	
i)	The test used to determine the tablet's resistance to abrasion is called as a. Hardnessb. Disintegration c. Content uniformity d. Friability		1	
j)	Specified disintegration time For sugar-coated tablets? a. 5min b. 30 min c. 10 min d. 60 min		1	
Q.02	2 : Long answers (Any one)		10	4
a)	Explain in detail quality control tests for a tablet along with instruments used for same.			
b)	Discuss solubility analysis of a drug in Pre formulation studies. In brief write applications of Preformulation in the development of solid oral dosage form.		10	1
	3: Short Answers (Any two) Give an account of polymers used and steps involved in Sugar coating.		5	2,
a)			5	2,
b)	Discuss the compression and processing problems with tablets and remedies for same.		5	2,
c)	Write a short note on- (any one) A. Filling & packaging of liquid orals. B. Coating methods & equipment		3	



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TY. B. PHARM. (SEMESTER V)

FIRST SESSIONAL Theory Examination (2023 - 2024)

Subject: Pharmaceutical Jurisprudence

Marks: 30

Date: 23-8-23

ALL QUESTIONS ARE COMPULSORY

Q. N	QUESTIONS	MARKS	CO
1	MULTIPLE CHOICE QUESTIONS.		
	Regulations regarding storage of various drugs is significance of a. Schedule M b. Schedule N c. Schedule P d. Schedule T		
	2. Symbol Rx is requirement of labelling for drugs under		
	 a. Schedule X b. Schedule H c. Schedule C d. Schedule K 3. Spurious drugs are a. Drug containing any harmful or toxic substances b. Not labelled in prescribed manner c. Manufactured under name which belong to another drug. d. Drug under patent 4. Schedule J signifies a. List of permitted dyes and coal tar colours in cosmetics b. Various drug related to hormonal effect c. List of drugs marketed under generic name only d. Various aliments that cannot be treated by any drug currently market 5. Minimum Ancillary area requirement for manufacturing according to Sch M 	10M	1,2,
	is		
	a. 10 Sq mt b. 30 Sq mt c. 15 sq mt d. 40 sq mt		
	6. The animal house facilities are approved by		
	a. CPCSEA b. PCI c. AICTE		
	d. DTE		
	7. Which of the following controls the prices of drug a. DPCO b. The drug and cosmetic act, 1940	and provide the agency of the second of	



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8. IAEC can give approval without sending to CPCSEA the studies for a. Only small animals b. Only large animals c. Both small and large d. None 9. Any person contravenes any of the prevention of cruelty to animal act is punished with a fine of rupees a. 200 b. 2000 c. 300 d. 15000 10. the drug and magic remedies (objectionable advertisement) rules were introduced in which year a. 1954 b. 1953 c. 1955 d. 1948 2 LONG ANSWER QUESTIONS (ATTEMPT ANY ONE) Give in detail about Schedule M Write the objectives and prevention of cruelty to animals. What are the parts of CPCSEA guidelines? 3 SHORT ANSWER QUESTIONS (ATTEMPT ANY TWO) What are schedule H drugs and draw a specimen label for schedule H drug Name the classes of drugs prohibited for import also mention drug permitted only under licence. Penalty related to imports of any drug or cosmetic the import of which is prohibited in public interest. Or Mr. Iqbal is a manufacturer of drug consisting Benzodiazepam as API. He is importing the finished product through air. During inspection by officer he is asked for documents. State the type of schedule the drug belong and various documents need to carry licence, form, schedule that will be applied s etc. What if some spurious ingredient was found in the product.		c. CDSCO		
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C. Write the offences and penalties in contravention of D & MR act	C.	一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个		(5)



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RE	V:00 QUESTION PAPER THEORY SESSIONAL I EXT	M-04(a)	
	SS:-T. YB. Pharm [A Division] SEM:-V		1.1
	EME:- CBCS R 2019		
SUBJECT: PHARMACOGNOSY AND PHYTOCHEMISTRY II DATE:- 22		.8.23	THE
	ATION:- 60 mins MARKS:-:		
	1. All questions are compulsory. 2. Draw structures and diagrams wherever applicable.		170
	Answer all the questions [MCQs] (1 x 10)	Marks	CC
1. 2. 3. 4. 5. 6 7 8 9 a 1	What is the main use of reserpine a. Anti-inflammatory b. Antiaging c. Antihypertensive d. Astringent The chief active constituent of fennel is a. Carvone b. Menthol c. Fenchone d. Limonene Condensed tannins are also called as a. Hydrolysable tannins b. Non hydrolysable c. Pseudotannins d. Prototannins Active ingredient in Bitter almond is responsible for its bitterness is a. Amygdalin b.Emulsion c. Benzaldehyde d.Hydrocyanic acid Balsams mainly contains acids a. Acetic acid: cinnamic acid b. Benzoic acid: Cinnamic acid c. Cinnamic acid: Hydrochloric acid d. Acetic acid: Sulphuric acid Senna leaf comes under the class of a. Cardiac b. Anthracene c. Steriod d. Isothiocynate Which of the following is not the precursor in the shikimic acid pathway a. Prephenic acid b. Mevalonic acid c. Quinic acid d. Chorismic acid Cyclization of DAHP to 3-dehydroquinic acid take place in presence of metal catalyst a. Cobalt b. copper c. Cadmium d. Chromium Modified borntrager test is positive for Clove b. Senna C. Aloe d. Pale catechu 0	10	3,4
a.	Explain the detail on biological source, chemical content, chemical test and uses.	10	3
	And also write about preparation of Opium.	10	-
b.	Discuss pharmacognostic account on Clove.	10	
Q.03	3: Attempt any TWO (5 x 2 = 10 Marks)		
a	Discuss Asafoetida with respect to its biological source, chemical constituents, uses, and chemical test.		3
b	Write not on any one iridoid containing drug with its BS, CC and uses.	5	
	Discuss biological sources, chemical constituents and uses of Dioscorea.	5	