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Previous Year Question Paper	SyDFug Inspec Ok Kharmacist DCOsit	https://thepharmapedia.com/
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Booklet Series

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Register	
Number	·

2009

PHARMACY / PHARMACEUTICAL SCIENCES

Time Allowed: 3 Hours] [Maximum Marks: 300

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

- 1. This Booklet has a cover (this page) which should not be opened till the invigilator gives signal to open it at the commencement of the examination. As soon as the signal is received you should tear the right side of the booklet cover carefully to open the booklet. Then proceed to answer the questions.
- 2. This Question Booklet contains 200 questions.
- 3. Answer all questions.
- 4. All questions carry equal marks.
- 5. The Test Booklet is printed in four series e.g. A B C or D (See Top left side of this page). The candidate has to indicate in the space provided in the Answer Sheet the series of the booklet. For example, if the candidate gets A series booklet, he/she has to indicate in the side 2 of the Answer Sheet with Blue or Black Ink Ball point pen as follows:

A [B] [C] [D]

- 6. You must write your Register Number in the space provided on the top right side of this page. Do not write anything else on the Question Booklet.
- 7. An Answer Sheet will be supplied to you separately by the Invigilator to mark the answers. You must write your Name, Register No. and other particulars on side 1 of the Answer Sheet provided, failing which your Answer Sheet will not be evaluated.
- 8. You will also encode your Register Number, Subject Code etc., with Blue or Black ink Ball point pen in the space provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, your Answer Sheet will not be evaluated.
- 9. Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
- 10. In the Answer Sheet there are **four** brackets [A] [B] [C] and [D] against each question. To answer the questions you are to mark with Ball point pen ONLY ONE bracket of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. If for any item, (B) is the correct answer, you have to mark as follows:

[A] [C][D]

- 11. You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take this Question Booklet and the Answer Sheet out of the Examination Hall during the examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
- 12. Failure to comply with any of the above instructions will render you liable to such action or penalty as the Commission may decide at their discretion.
- Do not tick-mark or mark the answers in the Question Booklet.

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- 1. Which of the following trademarked sustained release systems are based on encapsulated drug particles that will dissolve at various rates?
 - I. Sequels
 - II. Spansules
 - III. Extentabs.

Of these

A) I only

B) III only

C) I and II

- D) I, II and III.
- 2. Compartmental models are often used to illustrate the various principles of pharmacokinetics. A compartment is best defined as
 - A) any anatomic entity that is capable of absorbing drug
 - B) a kinetically distinguishable pool of drug
 - C) specific body organs in tissues that can be assayed for drug
 - D) any body fluid such as blood in urine that may contain drug.
- 3. Dimethyl sulphoxide is commonly used as an excipient in transdermal patches as
 - A) adhesive
 - B) permeation enhancer of lipophilic drugs
 - C) permeation enhancer of hydrophilic drugs
 - D) release liner.
- 4. Ideal conditions for effective transdermal drug delivery would include molecular weight of for the saturated aqueous solution of the drug.
 - A) < 500 Da, 1 5

B) > 500 Da, 1 - 5

C) < 500 Da, 5 – 9

- D) > 500 Da, 5 9.
- 5. All of the following drugs are believed to undergo significant first-pass hepatic biotransformation, except
 - A) phenytoin

B) lidocaine

C) morphine

D) nitroglycerine.

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HIPS Agglomeration in aerosols can be reduced by including 6. A) anionic surfactants with HLB greater than 10 B) cationic surfactants with HLB less than 10 C) non-ionic surfactants with HLB greater than 10 D) non-ionic surfactants with HLB less than 10. 7. In a suspension, open network aggregate or floccule tends to A) settle quickly and cannot be easily redispersed B) settle slowly and can be easily redispersed C) settle quickly and can be easily redispersed D) settle slowly and cannot be easily redispersed. 8. The particle size range of nano-particles is A) 1 nm — 1 µm B) ♪ nm — 1000 nm D C) lnm — 100 nm $0.5 \, \mu m - 1 \, nm$. 9. Transdermal drug delivery systems contain drugs meant for local action A B) systemic action C) both (A) and (B) D) none of these. 10. Which one of the following per oral dosage forms is likely to exhibit the longest lag time? A) Delayed release tablet B) Elixir C) Enteric coated tablet D) Sustained release capsule. 11. The equation that describes the process of 'Passive Transport' is Noyes-Whitney equation B) Stokes law C) Fick's law Hofmeister rule. D) 12. The gelatin used in the manufacture of capsules is obtained from collagenous material by A) hydrolysis B) . decarboxylation

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C)

acetylation

D)

conjugation.

13.	Opa	lux is					
:	A)	colour concentrate for fluidized bed coating					
	B) colour concentrate for film coating						
	C)	complete colour concentrate for en	teric o	coating			
	D)	colour concentrate for sugar coatir	ıg.				
14.	Crea	ams are					
	A)	emulsions	B)	gels			
	C)	jellies	D)	magmas.			
15.	Diss	solution tests for tablets are done to	meas	ure indirectly			
	A)	hardness	B)	bioavailability			
	C)	solubility	D)	friability,			
16.	Tric	hloromonofluoromethane is numeric	ally d	esignated as			
	A)	12	B)	11			
ű.	C)	114	D)	22.			
17.	Seal	ing in sugar coating is done					
	Ä)	to release drug in the intestine					
	B)	to sustain release of the drug					
	C)	to round the edges of tablet core					
i	D)	to prevent moisture penetration int	o tabl	et core.			
18.			yroge	n during the preparation of water			
		njection.	 1				
	A)	Membrane filter	B)	Condenser			
	C)	Still head	D)	Filter head.			
19.		type of official eye ointment base is		•			
	A)	hydrocarbon	B)	absorption			
	C)	water miscible	D)	water soluble.			

Job notification

HIPS Licence for wholesale of drugs specified in the schedule C and C, is issued in Form 20-A B 20-B A) 21-B D) 22-A. C) The left hand top corner of the label of schedule X bulk drugs contains symbol, B) **RMP** A) R_{x} XR_{x} · C) \boldsymbol{X} D) 29. In constitution of State Pharmacy Councils total number of Registered Pharmacists to be elected is A) five . B) six C) D) four. seven 30. The Drugs and Cosmetics Rules were passed in the year of A) 1945 B) 1947 1944 C) 1946. How many representatives are nominated by the Central Government to Drug 31. Consultative Committee? A) 1 B) 2 C) 3 D) 4. The sample taken by the Drug Inspector from the retail premises should be 32. divided into parts 3 parts B) 2 parts D 5 parts. 33. As per GMP, change rooms to the aseptic areas of sterile product manufacturing area should be clearly demarcated into the following rooms, except A) - Black room Blue room B) Grey room D) White room. x 901

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HIPS 8 As per GMP, during tablet compression, in-process control should be done at regular intervals of A) not more than 45 minutes B) not more than one hour C) not more than 30 minutes D) every one hour. Drug (Price Control) Order came into force in the year 35. 1979 B) 1955 A) C) 1960 D) 1987 Equipment recommended for the manufacture of powders come under A) Schedule H B) Schedule M Schedule X. C) Schedule N D) 37. Magic remedies include Talismans B) Mantras C) Kavachas D) all of these. Spurious drugs mean 38. A) imitations B) substitutes C) resembling other drugs all of these. D) 39. GMP for Ayurvedic, Siddha and Unani medicines are covered by A) Schedule *U* Schedule T B) C) Schedule W D) Schedule M. Protoplasmic plant tissue culture method was introduced in 1960 by A) Cocking B) Skoog & Miller C) Gamborg and Neabors D) Carlson.

HIPS 41. The sugar concentration of molasses used in the production of industrial alcohol should be 10% to 18% 4% to 8% B) 15% to 25% 20% to 30%. D) The fibrin clot produced when thrombin is mixed with 42. A) fibrinogen B) fibrin foam Cl dried human serum D) citrate-saline. Exotoxin producing bacteria are 43. · Vibrio cholerae A) Salmonella typhi B) Clostridium tetani Pasteurella pestis. C) D) Following are the carbon sources used in the fermentative production of L-glutamic acid, except A) n-paraffin acetic acid ethanol D) · propylene glycol. Among the proteins present in horse serum, antitoxins (diphtheria) are largely associated with gamma globulins B) beta globulins albumins C) D) all of these. 46. Small bench fermentors are made up of material. A stainless steel B) borosilicate glass plastic D) all of these. C) Bioreactor is the instrument used for growing 47. A) bacterial cells insect cells B) C) mammalian cells D) both (B) and (C).

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пиго	,	4	U	•
48.	Trai	nsfer of genetic material from on	e bacter	rium to another bacterium through
	bact	teriophage is called		
	A)	Transduction	B)	Conjugation
	C)	Transformation	D)	all of these.
49.	Mac	eroglobulin is		
	A)	Ig M	B)	Ig A
	C)	Ig D	D)	Ig E.
50.	Sch	ick test is performed for testing t	he indiv	idual for the presence of
	A)	Polio	B)	Pneumonia
	C)	Diphtheria	D)	Tuberculosis.
51.	The	target site on DNA for Bam HI er	ndonucl	ease is
	A)	G ↓ GATCC	B)	G ↓ AATTC
	C)	GG ↓ CC	D)	A ↓ AGCTT.
52 .	Qua	ality control of vaccines is carried	out by .	studies.
,	A)	in vivo	, B)	in vitro
	C)	in vivo and in vitro	D)	neither in vivo nor in vitro.
53.	Who	ooping cough vaccine employs kil	led cell	of
	`A)	Bordetella pertussis	B)	Pseudomonas aeruginosa
	C)	Vibrio cholerae	D)	Salmonella typhti.
54.	Wh	ich one of the following is the sui	table sit	e of self-injection of interferons?
	A)	Subcutaneous	B)	Abdomen
,	C)	Legs	D)	Finger.
55.	A s	ignificant number of antibodies no	ow in us	e belongs to Immunoglobulin,
	A)	Ig G	B)	Ig H
	C)	Ig M	D)	Ig I.
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- 63. The first pharmaceutical product to be produced by mammalian cell culture is
 - \cdot A) tPA

B) tRNA

C) tDNA

- D) tG_{H} .
- 64. India is the country in the world to develop an indigenous Hepatitis-B vaccine.
 - A) 2nd

B) 3rd

C) 4th

D) 5th.

- 65. Extinction E =
 - A) $\log \frac{I_0}{I_1}$

B) log T

 $C) I_1 / I_0$

- D) 10 -Ct
- 66. The stationary phase in Thin-Layer Chromatography (TLC) is
 - A) adsorbent
 - B) liquid held between glass plate and adsorbent
 - C) glass plate
 - D) none of these.
- 67. The wave number is defined as
 - A) number of waves per unit of length
 - B) number of waves per unit of metre
 - C) number of waves per cm
 - D) number of waves per unit of width.
- 68. The quality assurance personnel responsibilities does not include
 - A) maintaining copies of approved study plans
 - B) preparation of SOP
 - C) inspection of final reports to confirm methods and procedures
 - D) issue of product development plan.

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73. Katharometers & Bolometers are different types of

A) pumps

B) detectors

C) monochromators D) recorders.

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HIPS 14 In IR spectroscopy which region provides information for molecular structure 74. elucidation? Far IR A) Near IR B) C) Middle IR D) Very near IR. In HPLC which detector is based upon bulk property of elute? *7*5. Refractive index detectors Diode array detectors A) B) Fluorescence detectors C) D) PMT. Example for Emission Spectroscopy is Flame Photometry A) Atomic Absorption Spectroscopy B) C) Fluorimetry D) all of these. In NMR spectroscopy, the chemical shift is expressed in parts per million A) B) gauss C) tesla D) hertz. In mass spectroscopy for chemical ionization which reactant gas is most widely used? A) B) Argon Neon C) Methane D) Oxygen. 79. In the determination of selenium by Fluorimetry, the sensitivity can be increased by using the reagent, 2, 3-diaminonaphthalene A) B) 3. 3-diaminobenzidine Cyanogen chloride 75% v/v sulphuric acid in ethanol. In IR spectra, the absorption at 3300 cm⁻¹ and at 1020 cm⁻¹ indicates the 80. presence of A) NH group B) Amide - C = OAliphatic C - H Hydroxyl group. C) D)

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8 1.	. As per the GLP, full calibration of spectrophotometers should be done				
	A)	once a day	B)	once a month	
•	C)	every quarter	D)	half-yearly.	
82.	The	closeness of the results obtained by	y the p	procedure to the true value is	
·;	A) (linearity	B)	precision	
	C)	accuracy	D)	sensitivity.	
83.	Whi	ch of the following contains a chron	nopho	re ?	
:	-A)	Ethylene	B)	Ethane	
) <u></u>	C)	Both (A) and (B)	D)	None of these.	
84.	The	presence of which of the following	group	s increases fluorescence intensity?	
* -	A)	Amino group	B)	Nitro group	
	C)	*Both (A) and (B)	D)	None of these.	
85.	The	purple colour formed in the limit to	st for	iron is due to	
-	A)	Ferric thioglycolate	Bl	Ferrous thioglycolate	
ŧ	C)	Ferrous glycolate	D)	Ferric glycolate.	
86.	R_f	value ranges from			
	A)	0 to 1	B)	0 to 2	
	C)	2 to -2	D)	+ 1 to - 1.	
87.	In t	he limit test for arsenic the granulat	ed zin	c and HCl help to	
	A)	increase the sensitivity of the test		•	
	Bj	produce stable colour			
. Hr	C)	provide an acid medium			
: j.	D)	reduce the arsenic or arsenious ac	id to a	arsine.	
88.	In to	he limit test for sulphates, the alcol	hol in	the Barium sulphate reagent helps	
	A)	increase the solubility	B)	prevent ppt of impurities	
	(C)	clarify the solution	D) ⁻	prevent super-saturation.	
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95.	Gudakhu is a tobacco product used for rubbing against human teeth, contains tobacco powder, lime and molasses along with red mineral matter. Within the					
ŀ	provision of D & C Act it is					
1	A)	cosmetic	B)	food		
	C)	drug	D)	none of these.		
96.	Sch	edule M incorporating GMP (G	ood Manu	facturing Practices) was introduced		
	in	. .	•	4.0		
	A)	1987	B)	1988		
1 F	C)	1989	D)	1990.		
97.	In tl	he Drugs (Price Control) Orde	r. 1995 th	e first schedule consists of		
Ł	A)	list of books	B)	list of bulk drugs		
1	C)	list of formulations	D)	none of these.		
98. ⁸	The	First Schedule of Drugs and C	osmetics A	ct, 1940 comprises		
	A)	the list of books of references	for Ayurve	dic, Siddha and Unani medicines		
	B)	list of Pharmacy books				
	C)	list of Homeopathic books				
	D)	none of these.		·		
99.	Bato	ch Processing Records (BPR) s	hould cont	tain the following details, except		
	A)	Analytical control number				
	B) `	Raw material manufacturers'	letail			
	C)	Batch number				
	D)	Date of commencement of ope	ration.			
100.	The	Head Office of Drugs Technica	l Advisory	Board is at		
	A)	New Delhi	B)	Kolkata		
	C) .	Mumbai	D)	Chennai.		
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HIPS

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101. The antiarrhythmic drug quinidine is

- A) (+) stereoisomer of quinine
- B) (-) stereoisomer of quinine
- C) (+) racemic mixture of quinine
- D) none of these.

102. The IUPAC nomenclature of Piroxicam is

- A) 2H-1, 2-benzothiazine-3-carboxamide, 4 hydroxy 2-methyl-N-pyridinyl-, 1, 1-dioxide
- B) 2-naphthalene acetic acid, (+) 6 methoxy-α-methyl
- C) Benzene acetic acid (\pm) α -methyl-4-(2-methyl propyl)
- D) Benzoic acid, 2-[(2, 6-dichloro-3- methy phenyl) amino]
- 103. Prazepam differs in structure from Diazepam by
 - A) N-methyl group

- B) N-propyl group
- C) N-cyclo propyl methyl group
- N-cyclo propyl group.

104. Some psychoactive phenothiczines listed below have the following side chains at position 10, which are given in 1 to 4. Match them correctly:

a) Chlorpromazine

- 1. 3-[4 methyl piperazinel-yl] propyl
- b) Prochlorperazine
- 2. 2-(1 methyl piperide 2-yl) ethyl

c) Thioridazine

3. 3-[4- (2 hydroxy ethyl) piperazine 1-V propyl

d) Perphenazine

4. Dimethyl aminopropyl.

Codes:

a b c d

A) 4 1 2 3

B) 1 2 1 3

C) 2 3 4 2

D) 3 4 3 1.

x 901

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105.		n the given pairs of diuretics in whice ence of aldosterone to produce diur	-	. *
	. A)	Mannitol and Spiranolactone		
	B)	Spiranolactone and Triamterene		
•	C)	Triamterene and Amiloride		
	'D)	Spiranolactone and Amiloride.		
106.	The	diuretic that is natriuretic, chlorure	tic, sa	luretic and antikaliuretic, is
	A) :	Spiranolactone .	B)	Furosemide
	C)	Ethacrynic acid	D)	Acetazolamide.
107.		he given pairs of antihistamines, t histamines is	he pa	ir in which both are, 'dual-acting'
	À)	Cetirizine and Cromolyn sodium		- Dr y
:	B)	Azelastine and Cetirizine		
	C)	Azelastine and Ketotifen		
	. D)	Ketotifen and Cromolyn sodium.		
108.	Diaz	zoxide and Minoxidil can be describe	d as	
	A)	Potassium channel openers	B)	Potassium sparing diuretics
-	C)	Calcium channel blockers	D)	Sodium channel openers.
109.		he lidocaine series of local anaesthe n up to three carbon units,		
	A)	increases	B)	abolishes
	C)	reduces	D)	does not alter.
110.	Whi easi	ch of the following anti-histamines ly ?	does	not cross the blood brain barrier
	A)	Diphenhydramine	B)	Cyclizine hydrochloride
	C)	Chlorpheniramine maleate	D)	Cetirizine.
x 90	1	09]	[Turn over

Job notification

111. The fluorine in Flurazepam is present in

A) 5^{\prime} position

B) 3^{T} position

C) 2^{T} position

D) 4^{\prime} position.

112. Ranitidine contains heterocyclic ring.

A) Imidazole

B) Furan

C) Thiazole

D) Pyridine.

113. Aspirin can be estimated by

- A) non-aqueous titration
- B) complexometry

C) acid-base titration

D) dead-stop end point method.

114. Which of the following is anti-cholinergic drug?

A) Carbachol

B) Phenyl ephrine

C) Eucatropine

D) Procainamide.

115. Clonidine is used in the treatment of the following disorders, except

A) glaucoma

B) hypertension

C) arrhythmia

D) opiate withdrawal syndrome.



116.

is the structure of

CH 2 CONH 2

A) Atenolol

B) Metoprolol

C) Acebutolol

D) Timolol.

117. A central carbon atom not directly connected to any H 2 and is connected to a tertiary nitrogen through a 2 carbon unit on the other side with relatively small groups on the nitrogen is the pharmacophore of

- A) H, receptor antagonists
- B) Narcotic analgesics

C) Thiazide diuretics

D) Butyrophenone antipsychotrics.

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118.	Hon	natropine is a semisynthetic obta	ained or s	ynthesised by reacting
٠.	A)	Tropine and Succinic acid	B)	Tropine and Malic acid
	C)	Tropine and Fumaric acid	D)	Tropine and Mandelic acid.
119.	The	2 '-chloro substituted analogue	of oxazep	oam is
	A)	Lorazepam	B)	Diazepam
	C)	Temazepam	, D)	Prazepam.
120.	Ana	lgesic with N-Aryl anthranillic ac	id nucleu	s is
•	A)	Paracetamol	B)	Meclofenamic acid
	C)	Phenyl butazone	D)	Anti-pyrine.
121.	Cho	linergic receptor antagonist exist	ting as en	antiomer is
	A)	Methacholine	B)	Carbachol
	C)	Acetyl choline	D)	Bethanechol.
122.	Trip	elennamine is used as its		
	A)	Succinate	B)	Maleate
	C)	Adipate	D)	Citrate.
123.	Whi	ch one of the following is not a n	on-barbit	urate?
	A)	Paraldehyde	B)	Carbromal
	C)	Nitrazepam	D)	Thiopental Sodium.
124.	Cycl	omethycaine sulphate is used in	l	
	A)	anaesthetic in chemical burns		•
	B)	skin abrasions		•
•	C)	dermatological lesions		
	D)	all of these.		
125.	Rese	erpine is contraindicated in patie	ents with	a history of
	A)	Epilepsy	· B)	Hypertension
	C)	Mental depression	D)	Schizophrenia.
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HIPS 22
126. Digitalis overdose can be reversed by the administration of

- A) Phenytoin
- B) Calcium
- C) Fab fragments of Digoxin antibody
- D) Sodium.
- 127. Drugs causing allergic reactions generally act as
 - A) Antigen

B) Haptens

C) Antibodies

- D) Mediators.
- 128. A potent tranquilizer which also exhibits strong hypotensive effect is
 - A) Chlordiazepoxide

B) Meprobamate

C) Reserpine

- D) Thorazine.
- 129. Salicylates are metabolised through
 - A) hydroxylation

- B) oxidation
- C) conjugation with glucuronic acid
- D) reduction.

- 130. Sodium valproate acts by
 - A) blocking the metabolism of GABA
 - B) blocking the GABA receptor
 - c) blocking the conduction of impulses
 - D) blocking the release of GABA.
- 131. Atorvastatin should be taken at night after dinner because
 - A) it induces sleep
 - B) synthesis of cholesterol is maximum during night
 - C) the patient would be affected by sunlight if taken during daytime.
 - D) of better absorption.

132.	Thiocyanate accumulation and the consequent toxicity is a possibility when excess dose of is administered.				
	A)	Minoxidil	B) '	Hydralazine	
	C)	Sodium nitroprusside	D)	Clonidine.	
133.	The	specific antidote for Paracetamol po	oisonii	ng is	
	A)	4-Methyl Pyrrazole	B) ,	N-Acetyl cysteine	
distribution of the state of th	C)	Folinic acid	D)	Sodium thiosulphate.	
134.	Digi	talis produces bradycardia by the f	itwollo	ng mechanisms, except	
	A)	reflexly through no dose ganglion			
	B)	direct stimulation of vagal centre			
1	C)	sensitization of SA Node to acetylc	holine		
	D)	sensitization of SA Node to adrena	line.		
135.	Pilo	carpine can be used in			
Congress the control	A)	Asthma	B) ,	Coronary insufficiency	
open official philosof	C)	Glaucoma	D)	Hyperthyroidism.	
136.	Flu	oxetine is a / an			
The state of the s	A)	5-HT partial agonist	•		
t.	B)	anti-histaminic	-		
Ar County distance of the	C)-	inhibitor of 5-HT uptake	÷.		
	D)	specific 5-HT 3 receptor antagonis			
137.		erance refers to genetically determin	ed ser	nsitivity to a drug called as	
E A	A)	innate tolerance	i.		
e - revisco l'os-	B)	learned tolerance			
	C) D)	acute tolerance dispositional tolerance.			
) 				[Thum. and	o
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152.	Gur	nar comprises the			
	A)	stem and roots of Gymnema s	ylvestre	•	
	B)	leaves of Gymnema sylvestre		,`	
	C)	powdered endosperm of the se	eeds of Cy	amopsis tetragonolobu	5
	D)	dried fruits of Ammi majus.	`		
153.	Fron	n callus, root growth can be en	hanced by	,	
	A)	increasing Cytokinin amount t	han that o	f Auxin	
	B)	increasing Auxin amount than	that of Cy	tokinin	
	C)	adding no hormone			
	D)	adding Gibberellins.	•		
154.	The	adulterant of purple Foxglove l	eaves is		
	A)	Synphytum officinale	B)	Cinchona officinale	
	C) .	Convaliarie majalis	. D)	Urginea maritima.	
155.	Narc	otine contains which of the fol	lowing mo	ieties ?	
	A)	Phenanthrene	B)	Benzyl isoquinoline	1.25%
	C) .	Quinoline	D)	Naphthalene.	
156.		principal active constituents osides?	of which	of the following drugs	are dimeric
	A)	Aloe	B)	Senna	,
	C)	Digitalis	(D)	Senna and Aloes.	
157.		paloin and Sennoside-A can be pectively.	e categoris	ed as and	
	A)	C-Glycoside, O-Glycoside			
	B)	O-Glycoside, C-Glycoside			
	C)	C-Glycoside, N-Glycoside			
	D)	O-Glycoside, N-Glycoside.			
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27 HIPS 158. Adenine and kinetin are collectively called as. В١ Gibberellins. A) Auxins C) Cytokinin D) Zeatin. 159. The ideal way to provide iron for a root culture would be to include in the medium. Fe 2 (SO 4) 3 B) A) FeCl 3 FeSO . C) Fe EDTA D) 160. Which type of glycoside is present in aloes? S-Glycoside A) O-Glycoside B) C) N-Glycoside D) C-Glycoside. 161. Keller-Kiliani is a colour test specific for the identification of Glycoside Moiety A) **Sugar Molety** B Deoxy Sugar Moiety D) Both (A) and (B). C) 162. Which of the following drugs is a natural insecticide? A) Pyrethrum B) Tulsi Bael. C) Tylopora D) 163. Absorbent cotton dissolves completely with uniform swelling in 60% w/w sulphuric acid A) 🖪 B) 90% formic acid Ammoniacal copper oxide C) D) Ferrous ammonium sulphate. 164. Development of Novel hybrid plant can be achieved with A) organ culture B) cell-suspension culture

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D)

callus culture

protoplast culture.

HIPS		28	-	
165.	The	botanical name of Aloes from Soutl	n Africa	a (Cape variety) is
	A)	Aloe barbadensis	B)	Aloe ferox
	C)	Aloe perryi	D)	Aloe candelabrum.
166.	Cass	sia senna is cultivated in		
	A)	India	B)	Arabia
	C)	Somalia	D)	Sudan.
167.	Nap	hthalene glycoside isolated from se	nna le	aves and pods is
	A)	Sennoside A		
	B)	Rhein-1-glucose		
	C) .	Rhein-8 diglucoside		
	D)	6-hydroxymusizin glucoside.		
168.	Foll	owing are the chemical constituent	s of Br	ahmi except
	A)	Saponins	B)	Glucosides
	C)	Alkaloid Brahmine	D)	Herpestine.
169.	. Sen	na contains		
	A)	C-glycosides	B)	O-glycosides
·	C)	S-glycosides	D)	N-glycosides.
170.	Dig	italis leaves should be dried below		
	A)	50°C	B)	80°C
	C)	60°C	D)	100°C.
171	. Cen	itella asiatica belongs to the family	of	·
	A)	Scrophulariaceae	B)	Umbelliferae
	C)	Rosaceae	D)	Araliaceae.
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Job notification

Study Material

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		29		HIPS			
172.	Holy basil is the synonym for						
	A)	Methi	B)	Gymnema			
	C)	Tulsi	D)	Digitalis.			
173.	A pl	acement for storage of products is					
	A)	private warehouse	B)	public warehouse			
	C)	bonded warehouse	D)	all of these.			
174.	Whi	ch of the following levels of material	cauti	ons against stock-out?			
	A)	Reordering level	B)	Minimum level			
	C)	Maximum level	D)	Average stock level.			
175.	Sele	ction of site of a drug store depend	s upor				
	A)	availability of finance	B)	existence of hospitals			
	C)	safety	D)	all of these.			
176.	Whic	ch of the following is/are objective(s) of pu	irchasing?			
	A)	Purchase of right quality	B)	Purchase of right quantity			
	C)	Purchase from right source	D)	All of these.			
177.		can be considered as primary sources of drug information.					
	A)	Pharmacopoeias	B)	Journals (drug based)			
	C)	Package inserts	D)	Formularies.			
178.	Inda	apamide is taken preferably in the morning because exposure to sunlight helps conversion to active metabolite					
	A)						
	B)	to minimize the effect of increased frequency of urination during night					
	C)	cholesterol synthesis is least during daytime					
	D)	cholesterol synthesis is maximum during daytime.					

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HIPS		30		•			
179.	_	g term storage of which one of t 20°C?	he fol	llowing vaccines demands storag			
	A)	DPT	. B)	DT			
	C)	Oral polio vaccine	Ď)	Tr.			
180.	In in	nmunization parlance, VVM refers	to				
	A)	Vulnerable Vaccine Method		4.0			
	B)	Vulnerable Vaccine Mode					
	C)	Vaccine Vial Monitor					
	D)	Vital Vaccine Method.					
181.	ICH	means					
	A)	International Conference on Harmo	onisat	tion			
	B) .	International Committee on Harmon	nisati	ion			
	C)	International Council on Harmonis	ation				
	D)	none of these.					
182.	The	dose related adverse reaction is ca	illed a	as			
	A)	Type A	B)	Type B			
	C)	Type C	D)	Type D.			
183.							
		M) home page at www.nlm.nih.go		•			
	A)	BIOSIS	B)	EMBASE			
	C)	MEDLINE	D)	Science Citation Index.			
184	In A	ABC analysis C denotes					
	A)	average usage value items	·				
	B)	low usage value items					
	C)	costly and valuable items					

D)

fast moving items.

	· · · · · · · · · · · · · · · · · · ·			<u> </u>			
185.	The	e drugs that show antagonistic effects in nature whereby the sensitivity of the					
	tissi	ies to one drug is altered by another	r drug	, are			
	A)	Trimethoprin and Sulphonamide					
	B)	Acetylcholine and Noradrenaline					
	C)	Digitalis glycosides and Diuretics					
gi e	D)	Warfarin and Phenobarbital.					
186.	The	term used to describe abnormal dru	ıg res	ponse is			
·	A)	Hypersensitivity	B)	Idiosyncrasy			
	C)	Anaphylaxis	D)	Teratogenicity.			
187.	Hos	pital pharmacy deals with					
:	A)	supply of ancillary products					
•	B)	storage of biological products					
	C)	purchase of inventory drugs		• •			
a 1.	D)	both (A) and (B).					
188.	Dru	g causing direct liver damage is					
·	A)	Isoniazid	B)	Indomethacin			
· :	C)	Phenytoin	D)	Aspirin.			
189.	Milk	and antacids reduce absorption of	tetrac	yclines by forming			
: •	A)	chelation	B)	complexes			
	C)	protein binder	D)	insoluble complexes.			

HIPS 32 190. Which one of the following statements is matched correctly? Drug abuse repeated consumption of a drug A) use of drugs for the conditions for which they Drug misuse B) are unsuited decreased response to pharmacological drugs C) Drug addiction periodic or chronic intoxication produced by Drug tolerance D) repeated consumption. 191. Medication errors include dispensing errors and medication A) B) patient compliance C) exact prescription none of these. D) 192. Coffee, tea and fruit juices antagonise the efficacy of antipsychotic drugs. Thioxantins Butyrophenones A) B) Sulpiride. Phenothiazines D) 193. The principles of ICH guideline for GCP have their origin in Declaration of Canada Declaration of Helsinki B) Declaration of Austria C) D) Declaration of Australia.

194	Phase-I	clinical	trials	are	carried	out
IJT.	1 IIGSC I	CHILLCOL	uiais	aut	Carrica	ULL

- I. to determine the maximum tolerated dose in humans
- II. to determine the pharmacokinetics and pharmadynamics activity
- in healthy adult males III.
- in healthy adult females. IV.

Of these

A) I and II B) II. III and IV

C) III and IV

I. II and III. D)

195. A child who swallows an overdose of fluoride containing multivitamin product should be treated with

A) acetyl cysteine Bì dilute Ca (OH), solution

docusate sodium C)

atropine sulphate. D)

196. Cholestyramine will probably interfere with the GI absorption of

- Chlorothiazide I.
- Warfarin II.
- III. Phenobarbital.

Of these

A) I only B) Il and III

I. II and III Cl

D) no interference.

197. Drug information sources include all, except

A) journals B) drugdex

dailies

D) online pharmacy journals.

198. In inventory control the turnover rate is calculated by which of the following formulae?

- A) Annual purchase + Annual inventory
- B) Annual purchase x Annual inventory
- Annual inventory + Annual purchase C)
- Annual purchase + Annual inventory. D)

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Turn over

HIPS 34

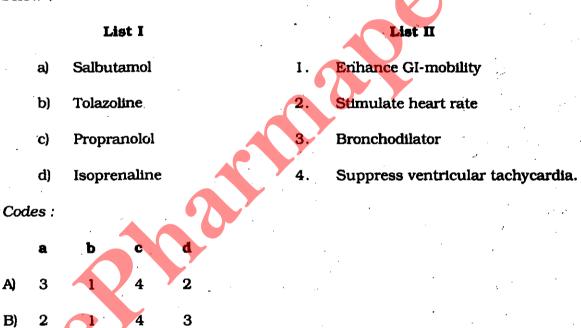
199. Aluminium hydroxide gel is combined with Magnesium hydroxide gel in antacid preparations to

- A) ensure synergism
- B) counter the constipating effect of magnesium hydroxide
- C) balance the purgative effect of magnesium hydroxide
- D) improve the absorption of magnesium hydroxide.

3

1.

200. Match List I correctly with List II and select your answer using the codes given below:



D)