Sl. No.					JAPH/18
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	•	•	 \ \tag{Num}	7	

2018

PHARMACY (Degree Standard)

Time Allowed: 3 Hours

[Maximum Marks: 300

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

IMPORTANT INSTRUCTIONS

- The applicant will be supplied with Question Booklet 15 minutes before commencement of the examination.
- This Question Booklet contains 200 questions. Prior to attempting to answer the candidates are requested to check whether all the questions are there in series and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed it shall be reported to the Invigilator within first 10 minutes and get it replaced with a complete Question Booklet. If any defect is noticed in the Question Booklet after the commencement of examination it will not be replaced.
- Answer all questions. All questions carry equal marks. 3:
- You must write your Register Number in the space provided on the top right side of this page. Do not 4. write anything else on the Question Booklet.
- An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers. 5.
- You will also encode your Question Booklet Number with Blue or Black ink Ball point pen in the space 6. provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, action will be taken as per commission's notification.
- Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct 7. 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.
- In the Answer Sheet there are four circles (A), (B), (C) and (D) against each question. To answer the questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle 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:



- 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 time of 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.
- The sheet before the last page of the Question Booklet can be used for Rough Work. 10.
- Do not tick-mark or mark the answers in the Question Booklet. 11.
- Applicants have to write and shade the total number of answer fields left blank on the boxes provided 12. at side 2 of OMR Answer Sheet. An extra time of 5 minutes will be given to specify the number of answer fields left blank.
- Failure to comply with any of the above instructions will render you liable to such action or penalty as 13. the Commission may decide at their discretion.

7

SI/HAAC



SPACE FOR ROUGH WORK

1.	مآم شاء	of the following parameter	To Horbrer	ve steady state levels can be pr determining the time require	edicted from d to achieve
	steady	state if dry follows first ord	GI KIIIOGIOS		
	-	Half life	(B)	Maximum loading dose	, ,
	. /	Clearance	. (D)	Volume of distribution	
•	(0)				
. ,					
			امتحاسب	of the following is a phase -	II reaction in
2.	In her	atic metabolism, phase II	eaction is which	n of the following is a phase –	
	drug b	iotransformation?	(B)	Reduction	• •
	(A)	Oxidation	(D)	Hydrolysis	
,	(C)	Glucuronide conjugation	. (1)		,
•	•				
. '	W/biol	of the following pharma	cokinetics para	meter is useful in calculation	n of extent of
3.	absor	ption?			
*	(A)	Cmax	(B)		~
	(C)	$T_{ ext{max}}$		Area Under the Curve (AU	()
	(0)				
			· · · · · · · · · · · · of		
4.	DPT	(Tripple antigen) is given f	or prevention of		•
	(A)	Diptheria, Pertussis and	Tetanus		
	(B)	Diptheria, Pneumonia an	d Tetanus		
	(C)	Diptheria Pneumonia an	d Tuberculosis		
	(D)	Diptheria, Pertussis and	Tuberculosis		
				,	
		i de deso	ng hacteria am	ong the following, which of t	the following is
5.	Ider	atify the endotoxin productoring production producing bacteria?	ng pacteria am		
k		Clostridium botulium	· (I	3) Commebacterium dipther	iae,
•	(A)		(I	O) Clostridium Tetani	
		Salmonella typhi			
					•
•	•				•
6.	Wh	ich animal is commonly us	ed for preparati	on of antitoxin?	• • •
. 0.	(A)		•	Horse	
	(A) (C)		(D) Mice	
	(0)	Tour .	·		JAPH/18
		· •	9		

	Guinea pigs or rabbits	(B)	Beagle dogs or cats
(C)	Albino mice or wistar rats	(D)	Hamsters or frogs
•			
What	t is the recommended antimic of diptheria antitoxin?	crobial preser	vative for test toxin refined for biolo
	Toluene	(B)	Sodium Benzoate
(C)	Salt	(D)	Sugar
(C)	25 g and 35 g 200 g – 225 g	(D)	tetanus component can be determine weight of the Guinea pigs should be 250 g and 350 g 2500 g and 3500 g
(C)	,		
	$200~\mathrm{g}-225~\mathrm{g}$	(D)	$250~\mathrm{g}$ and $350~\mathrm{g}$
Two m	,	(D)	250 g and 350 g 2500 g and 3500 g
Two m	200~ m g - 225~ m gnonochromators are essential fo	(D) or (B)	250 g and 350 g 2500 g and 3500 g Spectro photometry
Two m	200 g – 225 g nonochromators are essential fo Colourimetry	(D) or (B)	250 g and 350 g 2500 g and 3500 g
Two m	200 g – 225 g nonochromators are essential fo Colourimetry	(D) or (B)	250 g and 350 g 2500 g and 3500 g Spectro photometry
Two m (A) Which toxin u	200 g – 225 g nonochromators are essential for Colourimetry Spectro fluorimetry of the following is the recommused for biological assay of dipti	(D) or (B) (D)	250 g and 350 g 2500 g and 3500 g Spectro photometry Flame photometry
Two m (A) Which toxin u (A)	$200 \mathrm{g} - 225 \mathrm{g}$ nonochromators are essential for Colourimetry Spectro fluorimetry of the following is the recomm	(D) (B) (D) dended diluent heria antitoxin	250 g and 350 g 2500 g and 3500 g Spectro photometry Flame photometry

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Liquids and steam

(B) Semi-solids

Electricity

13.	Glass	s used for preparation of vials and transfusion bottles is
10.	(A)	Type II soda lime glass (B) Type III soda IIIIe glass
	'(C)	Borosilicate glass Neutral glass
	,	
	T •	philicity of a drug can be measured by means of its
14.	Lipoj	Oil/water partition coefficient (B) Dissociation constant
		(D) Pofractive index
	(C)	Melting point (D) Refractive fixed
,		
		a local region of determination of
15.	Dete	ermination of dissolution rate of drug is inclusive of determination of
	. (A)	Packing properties of a drug
	(B)	Thermodynamic properties of a drug
	(C)	Spectroscopic character of a drug
	(D)	Kinetic properties of a drug
·	•	
16.	The	e following materials can be used as preservative except
	(A)	Benzoic acid Oxalic acid
	(C)	Quine Mercuric Nitrate (D) Cetrimide
	, (3)	
		w many times sachem is sweeter than sucrose
17.		450
	. (A)	(D), 4000
	. (C)	2000
1		
18.	. X-	ray diffraction technique can be used to determine
		Crystalline property of a drug
	(B	Particle size of a drug

pH of a drug

(D) Dissociation constant of a drug

(C)

	Which one among the parentals (A) Tunicity agents	(D) G 1 1 2
	(C) Vehicle	(B) Solubilisers
	. ,	Antimicrobial compounds
20.	Propellants are imported	
	Propellants are importa (A) Ocusert	ant component of
		(B) Osmotic pump
	Aerosols	(D) Sustained release tablets
. /		
,		
1.	Wa <mark>ter pro</mark> of characterist	tic of nail lacquer is achieved by incorporating.
. •	A Nitrocellulose	(B) Liquid paraffin
	(C) Acetone	(D) Xylene
2.	A true alkaloid has a nit	rogen atom as a part of
	(A) Side chain	(B) Bound form
	Heterocyclic system	m (D) Homocyclic system
	Numerous trichomes, bot	th covering and glandular are present in the powder of
. 1		
. 1	(A) Senna leaves	
. 1	(A) Senna leaves Digitalis leaves	(B) Vinea leaves
. 1	(A) Senna leaves	
). I	(A) Senna leaves	(B) Vinea leaves
	(A) Senna leaves Digitalis leaves	(B) Vinea leaves (D) Eucalyptus leaves
	(A) Senna leaves	(B) Vinea leaves (D) Eucalyptus leaves arides are present it

 25.	Atro	oine, hyoscyamine and hyosine are distinguished from other alkaloids by
,	(A)	Mayer's test (B) Wagner's test
	(C)	Hager's test
• •,		
26.	 Rhei	imatism root is
20.	(A)	Rauwolfia root (B) Ipecac root
		Dioscorea (D) Liquorice
0.77	Whi	ch of the following is NOT a plant growth inhibitor?
27.	(A)	Ethylene (B) Absiccic acid
	(C)	Daminozide IAA
	(0)	
	٠,	
	The	plant growth hormones Cytokinins belong to which of the following class?
28.	(A)	Guanine (B) Thyamine
	(A)	Purine (D) Cytidine
00	3371-	ich of the following is a naturally occurring auxin?
29.		α – Napthyl acetic acid
**	(A)	2, 4 – Dichlorophenoxy acetic acid
	(B)	Indole –3 – butyric acid
•	(C)	Indole acetic acid
	(indole acone acid
		1 / //ll anonthria regons contain more
30.	,	e entire plant catharanthus rosens contain more (B) Flavonoids
	(A)	Terpenoius Alkaloids
	(C)	Glycosides

31.	All	the particles will pass through a	No. 180 siev	ve are.	•
	(A)	Coarse powder	(B)		
	(C)	Fine powder	(D)	, , , , , , ,	
	•				
		e I			
32.	Alka	aloid derived from ornithine			•
	(A)	Anabasine		Seopalamine	
	(C)	Papaverine	(D)	Ephedrine	
			(15)	Ephedriffe	,
			,		
33.	13715 :				
υυ.	(A)	ch of the following test is used spe Benedict's Test	ecifically for		ars?
	(C)		(3)	Seliwanoff's Test	
	(0)	Fehling's Test	(D)	Molisch Test	
			T		
34.	Whic	h is the precursor of tryptophan	synthesis?		·
	(A)	Anthranalic acid	(B)	Phenyl pyruvic acid	
	(C)	Hydroxy phenyl pyruvic acid	(D)	Meconic acid	
	٠		ľ		\ .
-					
35.	What	t is the starting compound of shik	cimic acid n	athway?	
	(A)	Chorismic acid	(B)	Phenyl pyruvic acid	
. ' 4	(0)	Phosphoenol pyruvic acid	(D)	Citric acid	
				Office acid	
36.	Evron				
	(A)	aple for sulphur containing amino	acids		
	(C)	Tryptophan Procine		Cysteine	
)	(0)	rocme ,	(D)	Histidine	
ı			•		
		:	•	•	
37 .	Prima	ary test for amino acids	•		4
	(A)	Barfoed's test	(B)	Mayer's test	
	(7.1)		(1)	mayers test.	

oo .	Idontif	withe FALSE statement w	ith regard to ai	r loc	k as per WHO guidelines	OII CIVIT
38.		A seed chace with tw	vo or more doors	bet	ween rooms	,
,	(TD)	This necessary to separate	e rooms of differ	ent (classes of cleaning	
	(B)	It is meant for the purpos	se of controlling	air-f	low between rooms	•
	(C)	It is meant for the parper. It is necessary to separat	e rooms of same	clas	s of cleanliness	•
	(D)	It is necessary to separate	0 10022			
• •	•	,				•
39.	The s	status of starting or pa	ckaging materi	als, relea	bulk or finished production/reprocessing i	cts ISOLATED
	physic		(E	3)	Reconcilation	
	(A)	Storage	· (I	•	Consignment	
	Con the second	Quarantine		•		
		idalina on GMP for h	erbal medicines	do <u>1</u>	NOT include which of the	following aspect
40.	expli	citly?				
	(A)	Sanitation and Hygiene	. (B).	Training	
	(C)	Quality control	· ·	D)	Ethics	
			townodiate in t	he b	iosynthesis of (-) hyoscyar	mine
41.	Whi	ch of the following is an in	itermediate in the	(B)	Methylecgonine	
	(A)	N-Methyl– Δ' –pyrrolin		(D)	Cinnamic acid	
	(C)	Benzoyl-CoA		(D)	Omnania	
					`	
,		C. I. fallowing contr	ibutes the C_4N	bui	lding block as heterocycli	c ring to Tropane
42				. ,		· · · · · · · · · · · · · · · · · · ·
•	_	aloids		(B)	L-Lysine	•
	(A)			(D)	L-Ornithine	
٠,	(C)	L-Leucine		,		
		,				•
		•			•	
4:	3	e License issued for whole	e, sale of schedul	eΧ	drugs in form	
, '1 '		20 G	,	(B)	28 A	
٠				(D)) 29 F	,
•	(C	, 40 ±				JAPH/18

44.	The chairman of the	drugs technical advisory board is
-	of the	and des technical advisory board is

Director General of Health Services

- Drugs Controller General India
- President Medical Council of India (C)
- President Pharmacy Council of India (D)
- "Use the solution within one month after opening the container" is the labelling requirement 45.
 - (A) Oral liquids

Opthalmic drops . .

(C) Nasal drops

Antiseptic solutions

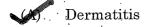
- The functions of central drugs laboratory in respect to testing of condoms is to be carried out 46.
 - Central Drugs Testing Laboratory, Chennai
 - National Institute of Biologicals, NOIDA (B)
 - Central Research Institute, Kasauli (C)
 - Central Drugs Testing Laboratory, Thane (D)
- The minimum space requirement for granting a wholesale License for drugs is
 - Ten square meter
 - (B) Fifteen square meter
 - (C) Twenty square meter
 - (D) Twenty five square meter
- The duration of manufacturing Licence of Drugs is 48.
 - Three years from Date of issue (A)
 - (B) Five years from Date of issue
 - Six years from Date of issue
 - No fixed limit if licence fees are paid

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49.	Mole	cules found in all plants and necessary f	or the	e life of the plants are called as
	(A)	All metabolites		
	(B)	Primary metabolite		•
	(C)	Secondary metabolite		
•	(D)	Essential metabolites		,
	r.		٠	
50.	Phar	macy council of India is reconstituted on	ce in	
	· (A)	6 years	(75)	5 years
: :	(C)	2 years	(D)	3 years
			٠	
51.	The (Central drugs laboratory is located at		
.]	(A)	Chennai	(B)	Delhi
,	(C)	Mumbai	DY	Kolkata
52.	Agre	eenish colour is developed when a solut	ion o	f cholesterol in chloroform is treated with
	conce	entrated sulphuric acid and acetic anhyd	lride -	- Name the reaction
	(A)	Barford	(B)	Benedicts
	(C)	Salkowshi	(D)	Liebermann – Burchard
	. \		٠,	
53.	The o	configuration of Ketoxime is determined	by	
· .	(A)	Ponndrof reduction	(P)	Beckmann rearrangement
•	(C)	Schmidt rearrangement	(D)	Darzen's reaction
54.	Vitar	nin E group is known as	•	
	(A)	Calciferol	(B)\	Tocopherols
•	(C)	Ergocalciferol	(D)	Pyridoxine
. •				
•				JAPH/18

55.		is the number of i			utralize the acid
	(A)	ed by the hydrolysis of 1 g. o Acid value			
	(A)	. •	(B)	Saponification value	
•		Acetyl value	(D)	Iodine value	
	•		. , , ,		
56.	4		chemically inert s	solvent used in non-aqueou	is titrations.
	(A)	Protogenic solvent	(B)	Protophilic solvent	
•	· ·(C)	Amphiprotic solvent		Aprotic solvent	
			,		
57.	Whic	<mark>h of</mark> th <mark>e</mark> fo <mark>llow</mark> ing method is	used to measure	the surface tension?	
. •	(4)	The drop weight method	(B)	Ostwald's viscometer	
	(C)	Rast method	(D)	The Barometric method	_
	•				
•					
58.	Whic	h of the following alkaloids	contain Indole nu	ıcleus?	_
	440	Vincristine	(B)	Morphine	
	· (C)	Ephedrine	(D)	Quinine	
	. (0)	, in production	(15)	& diffine	
,					
-	A - 1				
59.	Acia	catalysed or enzymic hydro			
		Sugar and R–OH	(B)	Non Sugar and R-COOH	
	(C) ·	Sugar and R-COOH	(D)	Non Sugar and R-CHO	. •
	•*			· ·	
60.	Whic	h of the following compound	ls is the hormone	?	•
•		Nor adrenaline	(B)	Riboflavine	•
	(C)	Morphine	(D)	Penicillin	٠
• •	•			•	

61. Deficiency of Biotin leads to



- (B) Anemia
- (C) Pellagra
- (D) Beriberi
- 62. Benzylic acid ester on condensation with urea in presence of sodium ethoxide gives,
 - (A) · Ethotoin
 - (P) Phenytoin
 - (C) Mephenytoin
 - (D) Primidone
- 63. This compound is a good sedative and exhibits no hypnotic action
 - (A) Thiopentone sodium
 - (B) Pheno barbitol
 - Potassium bromide
 - (D) Hexo barbital
- 64. Structure of the following compound is



- (A) Acetanilide
- (B) Sulfanilamide
- Sulphanilic acid
 - (D) Para amino benzene

65.	The b	easis for the antibacterial actio	n of β -lactam:	s is that these drugs become	hound to what
		on of the cell wall?	,,,	a managa da ago pocomo	Source to Wilds
	(A)	Penta glycine			
	(B)	Mycolic acid			
	(C)	D-alanine cross lin	ıked		
		Transamidase (Trans peptida	ase)		
,					,
•					
66.	Whic	h of the following ring system	is present in p	enicillins and cephalosporing	s?
	· (A)	β -lactone	(B)	β -lactam	
	(C)	3-Azyl cyclobutan-4-one	(D)	2-Aza cyclobutan-4-one	
		PHAI		ЛАІ	Y
67.	Whic	h form of enantiomer of propra	nolol is active	?	
	(A)	S-Isomer	(B)	Cis-Isomer	
	. VGP	R-Isomer	(D)	Trans-Isomer	
					1
·	·.				
6 8.	Whic	h of the following Anti hyperte	nsive drug is c	arbonic anhydrase inhibitor	?
		Acetazolamide	(B)	Chlorthiazide	
	(C)	Amiloride	(D)	Triamterene	
,			<i>*</i>		
	·· .				• .
69.	Meth	icillin is ——— penic	illins.	· · · · · · · · · · · · · · · · · · ·	
	(A)	An acid resistant			•
		Penicillinase resistant			
	(C)	Broad spectrum			
•	(D)	A natural			· '

70.	Isocratic pump is an important component	ent of
	(A) Potentiometer	HPLC
•		(D) Spectrophotometer
	(C) Polarograph	
		the senaration of
71.	The process of changing the mobile p	hases solvent strength to enhance the separation of
•	both early and late eluting solutes in H	IPLŲ IS
	(A) Temperature programming	(B) Isocratic elution
		Gradient elution
•	(C) Resolution	
·,		
72.	Which detector is used for detecting ca	arbohydrates in HPLC systems:
	(A) UV	(B) Fluorescence
· .	, , ,	(D) Conductometric
٠	Refractive index	
		271.1
73.	How many 1H-NMR (PMR) signals th	ne octane molecule will be giving:
	(A) 4	(B) 5
	(A) 4	(D) 3
٠	2	
,		
74.	Ferrous iron is oxidised to ferric stat	e by potassium permanganate in
,	(A) basic solution	acid solution
•	*	(D) aqueous solution
	(C) neutral solution	
	•	
75	Protophilic solvents are	in character.
		(B) acidic
•	,	(D) weakly acidic
	basic	

76	In	UV spectroscopy, the specifi	c bonds as fund	ctio	nal groups in a molecule responsible for th	
·• ·	ab	sorption of a particular wave	length of light	is c	called as	е
,		Chromophore	(B)	Auxilaryphore	
: -	(C)) Chromophene	(D)	Lambda max	
						•
77.	As pho	electro magnetic radiation in oton from	nteracts with n	nati	ter fluorescence occurs when emission of a	Į
		Singlet excited state to si	nglet ground et	ato		
	(B)	Triplet excited state to sin				
	(C)	Doublet to singlet ground		ate		
	(D)	Singlet to Triplet state		1	$\mathbf{n} \wedge \mathbf{c} \vee \mathbf{c} \vee \mathbf{c}$	
.÷			ΚN			
	i i					
78.	Pyri effec	dine is a weak base, when di	ssolved in aceti	c a	cid, the acetic acid exerts its	
	(A)	levelling				
•	(C)	modifying	(B)	•	differentiating	
		- The state of the	(D)	. 6	exchanging	
					,	
79.		analysis is a proc	edure for isola	ting	g and weighing an element or compound	
	٠.	r in Factor as possible.	;		s and element of compound	
	(A)	spectrophotometric	(B)	¢.	hromatographic	
	(C)	complexometric	· ·	g	ravimetric	
					•	
80.	Recon	nmended reference material	used for ¹³ CNN	ΙR	is	
•	(A)	Tri methyl silane	a		etra methyl silane	
	(C)	Tri ethyl silane	(D)		etra ethyl silane	
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16

	0.1	f marchroom	noisoning by	Amanita	muscaria is
81.	The drug of choice	IOT musimoom	Porporara a		

(A) Adrenaline

Atropine

(C) Ti Zanidine

(D) Carisoprodol

82. Assertion (A): Donepezil is a cerebro selective anticholinesterase which is used in the treatment of Alzheimer's disease.

Reason (R): Alzheimer's disease is a neurodegenerative disorder primarily affecting cholinergic neurons in the brain.

Both (A) and (R) are true and (R) is the correct explanation of (A)

- (B) Both (A) and (R) are true but (R) is not the correct explanation of (A)
- (C) (A) is true but (R) is false
- (D) (A) is false but (R) is true
- 83. Benzodiazenine antagonist is
 - (A) Ketamine
 - (C) Nalorphine

Flumazenil

(D) Naloxone

84. Consider the following statements:

Assertion (A): Milrinone is used in the treatment of congestive cardiac failure

Reason (R): PDE 5 isoenzyme is specific for intracellular degradation of cAMP in heart and Milrinone is a PDE 5 inhibitor.

Choose the correct answer according to the scheme given below:

- (A) Both (A) and (R) are true and (R) is the correct explanation for (A)
- (B) Both (A) and (R) are true but (R) is not the correct explanation for (A)
- (A) is true but (R) is false
- (D) (R) is true but (A) is false

85	. The antihypertensive drug which is	used topically for treatment of alopecia is
•	(A) Methyldopa	Minoxidil
	(C) Nifedipine	
		(D) Ramipril
86.	Digoxin acts by	
	and the first an	Inhibiting Na ⁺ /K ⁺ ATPase
٠.	(C) Stimulating Na ⁺ /K ⁺ ATPase	(D) Stimulating H ⁺ /K ⁺ ATPase
87.	The drug which suppresses ventricula	ar tachycardia due to digitalis toxicity is
	(A) Disopyramide	Lidocaine
	(C) Propofenone	(D) Propranolol
٠.		
88.	The moderately effective osmotic diur	etic is
٠.	(A) Furosemide	
	(C) Bumetanide	Mannitol (D) Charles and the second s
		(D) Chlorthalidone
39.	The drug which competitive to the	
	residue to form dihydropteroic acid is	the union of para amino benzoic acid with pteriding
-	sulphonamides	
	(C) trimethoprim	(B) pencillins
	! ·	(D) norfloxacin
 ^	m	
0.	The microorganisms used as probiotic i	n diarrhea are the following <u>except</u>
	(A) lactobacillus species	(B) enterococcus species
•	(C) streptococcus faecalis	helicobacter pylori
•		

91.	The r	natural alkaloid which is a microtub	ule dama	ging agent is
	(A)	Ergotamine	(3)	Vincristine
	(C)	Morphine	(D)	Atropine
	. * - *		1.1	
, .			• • • • • • • • • • • • • • • • • • • •	
92.	All th	ne following drugs <mark>are penicillinase r</mark>	esistant	<u>except</u>
	(A)	Procaine penicillin G	(B)	Methicillin
	(C)	Nafcillin	(D)	Cloxacillin
93	,			gyrase leads to development of bacteria
	resist	tance to which of the following drugs		
	(A)	Norfloxacin	(B)	Tetracycline
	(C)	Amoxacillin	(D)	Cefprozil
0.4	m			
94.		intimalarial drug which acts on the p	ore eryth	
	(A)	chloroquine		primaquine
	(C)	mefloquine	(D)	quinine
			:	
		1 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		
95.		enticancer drug 5-Fluorouracil (5-FV		Di
	(A)	Folate antagonist	(B)	Purine antagonist
	·	Pyrimidine antagonist	(D)	Estrogen receptor antagonist
			·	
	m: ~			
96.		nsulin receptor is a	· (T)	
	(A)	G-protein coupled receptor		Nuclear receptor
••		Tyrosine Kinase receptor	(D)	Ion channel receptor

97. Human Immunoglobulin injection is sterilized by

Filtration

- (B) Autoclaving (Moist heat sterilisation)
- (C) Dry heat sterilisation
- (D) Gaseous sterilisation
- 98. Poly Vinyl Pyurolidine (PVP) is not used as plasma substitute because of its

Carcinogenicity

(B) Teratogenicity

(C) Gastric irritation

- (D) Skin irritation
- 99. The expiry time of fibrinogen solution (aqueous) is

(A) 1 day

(B) 1 hour

(C) 2 hours

3 hours

100. Choose the method for separation of Red Blood Corpuscles (RBCs) from human blood

(A) Filtration

(B) Sublimation

(C) Centrif

Centrifugation

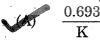
- (D) Desiccation
- 101. Which of the following substance is not an Anticoagulant?

(A) Acid-citrate - Dextrose

B) Acacia

(C) Heparin

- (D) Dirodium ededate
- 102. Assuming K is the elimination rate constant, the biological half life of a drug (first order kinetic) is represented by



(B) log K

(C) $\frac{1}{K}$

(D) $\frac{2.303}{K}$

•			21		JAPH/18
•	(A) (C)	Antibody Miligen	(B)	Virus Hapten	
108.		ch of the following substance will not another molecule?			nless combine
· .	•				
	(C)	Chicken embryo	(D)	Goat empryo	•••
		Primary monkey kidney cells	(B)	Goat embryo	
107.	The s	substrate for virus propagation for ora		Duck embryo	.*
107	(III).	Laterate for vivus propagation for one	al nolice	nyralitig vaggino ig	
	(C),	Viral vaccines	(D)·	Oral vaccines	
	(A)	Live bacterial vaccines	(3)	Toxoids	
106.		heria and Tetanus vaccine belong to tl	he class		
: .	(C)	Bacterial Toxins	(D)	Vaccines	
105.	The a	active immunity can be artificially stin		l by use of: Immunoglobulins	
	(C)	160°C for 1 hour		180°C for 1 hour	•
	(A)	100°C for 2 hours	(B)	121°C for 2 hours	
104.		heat sterilization is conducted at			•
,					
	(D)	Filtration			
	(C)	Maintaining at 98 to 100°C for 30°n	nin		
	(B)	Heating in an antoclave			
	(A)	Addition of chemical protectants			
103.	Whịc	ch of the following methods is not reco	mmend	ed for sterilization of eye dro	ops (BPC)?

109.	The t	type of plant layout where machine	s doing v	arious operations in a lin	e i
•	VA)	Product layout	(B)	Process layout	
, ,	(C)	Normal layout	(D)	Special layout	
Ť	,				
1 10.	The f	following equipment are used to mi	xing of lie	ruids excent	
,-	(A)	Propellor	(B)	Paddle Paddle	
	(C)	Tripple roller mill	(D)	Turbine	
	•		*		
111.	Ident	cify the factor that does not influen	ce rate of	evaporation	
	(A)	Surface area of evaporator	(B)	Viscosity of solution	
		Melting point of solids	(D)	Vapour pressure	
112.	Sieve	number 120 corresponds / correlat	es with r	nominal mesh size of	
	(A)	$150 \mu \text{ m}$	(P)	$125 \ \mu \mathrm{m}$	
	(C)	710 μm	(D)	600 μm	A
				σου μ ιιι	
1 13.		strial safety refers to safety of			
	(A)	Machines	(B)	Materials	
		Men	(D)	Money	
•					
				•	•
114.	The f	ollowing material are used for blist	er packir	ng of tablets <u>except</u>	
٠.	(A)	Poly Vinyl Chloride (PVC)	(B)	Poly styrene	
		Bakelite	. (D)	Polypropylene	
•	+ 1				
				*	٠.
115.	The f	ollowing plastic container can be s	terilised l	y autoclaving <u>except</u>	• :
	(A)	Polypropylene	(B)	Polyamide	
•	(0)	Poly methyl methacrylate (PMM	A) (D)	Poly carbonate	
IAD	II/1 Q		99		

116. HLB value of sodium Lauryl sulphate is (A) 25 (C) 48 (D) 30 117. Sedimentation rate of suspension depends on following except (A) Size of particles (B) Density of particles (C) Viscosity of medium (D) pH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising 54 g / litre (B) 50 g / litre		(A) 25 (C) 48 Sedimentation rate of suspension dep (A) Size of particles	(D) 40 (D) 30 ends on following except (B) Density of particles	· .
(C) 48 (D) 30 117. Sedimentation rate of suspension depends on following except (A) Size of particles (B) Density of particles (C) Viscosity of medium PH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre	117.	(C) 48 Sedimentation rate of suspension dep (A) Size of particles	ends on following <u>except</u> (B) Density of particles	· .
117. Sedimentation rate of suspension depends on following except (A) Size of particles (B) Density of particles (C) Viscosity of medium (B) Density of particles (C) PH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising 54 g / litre (B) 50 g / litre	117.	Sedimentation rate of suspension dep (A) Size of particles	(B) Density of particles	
(A) Size of particles (C) Viscosity of medium (B) Density of particles pH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) Density of particles pH of solvent	117.	(A) Size of particles	(B) Density of particles	-
(A) Size of particles (C) Viscosity of medium (B) Density of particles pH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) Density of particles pH of solvent	117.	(A) Size of particles	(B) Density of particles	•
(A) Size of particles (C) Viscosity of medium (B) Density of particles pH of solvent 118. Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) Density of particles pH of solvent	117.	(A) Size of particles	(B) Density of particles	
(C) Viscosity of medium (C) Viscosity of medium (C) PH of solvent (C) Viscosity of medium (D) PH of solvent (E) PH of solvent (II) PH of solvent				
Calculate the strength of anhydrous dextrose needed to produce a solution iso-osmotic with blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre		(C) Viscosity of medium	· ·	:
blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre	٠.		pH of solvent	
blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre				
blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre				**
blood plasma Molecular weight of Dextrose = 180 Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre		a 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	dovtrose needed to produce a solution iso-osmotic	with
Molecular weight of Dextrose = 180 Dextrose in non-ionising 54 g / litre (B) 50 g / litre	118.		destrose freeded to produce a cordinaria	:
Dextrose in non-ionising (A) 54 g / litre (B) 50 g / litre		-		
(A) 54 g / litre (B) 50 g / litre				
			(B) 50 g / litre	
(C) 52 g / litre (D) 53 g / litre			(D) 53 g / litre	
(C) 52 g / litre (D) 53 g / litre	٠.	(C) 52 g / Hure		
	, -			
119. The amount of 90% alcohol needed to prepare 600 ml of 60% alcohol is	119.	The amount of 90% alcohol needed to	prepare 600 ml of 60% alcohol is	
(A) 300 ml	٠.	(A) 300 ml	400 ml	
(C) 500 ml (D) 600 ml		(C) 500 ml	(D) 600 ml	r
(GOD-) are correctly with maintenance of			Day are compared with maintanance of	
120. Standard Operating Procedures (SOPs) are concerned with maintenance of	120.			
Equipments (B) Premises	•	Equipments		
(C) Lands (D) Glasswares		(C) Lands	(D) Glasswares	
	\$			
	*			
121. The code of federal regulations 21 part 211 (21 CFR, part 211) revised April 1, 2006 contain minimum GMPs for the preparation of	121.	The code of federal regulations 21 pa	rt 211 (21 CFR, part 211) revised April 1, 2006 cor of	ıtains
Pharmaceutical products for human use		•		•
(B) Pharmaceutical products for experiments				,
(C) Pharmaceutical products for research				
(D) Pharmaceutical products for analysis			•	

122.	Acut indic	e apex, asymmet cate	rical base, pin	nate venatio	on and anastomoning vein of a	a leaf/leafle
	(A)	Vasaka		(B)	Dature	
•	·(C)	Digitalis		. (1)	Senna	•
• •						
	•					
123.	India	an aloe is <mark>obtained</mark>	from the spec	ies known as		
	(A)	Aloe Balbadensi	s	(B)	Aloe Ferox	
	(C)	Aloe Perry			Aloevera var officinali	
				:		
124.	Aloe	farox is commercia	ally known as			#
, ,	(A)	Barbados aloe		(3)	Cape aloe	
	(C)	Zangibar aloe		(D)	India aloe	
125.	Drug colou	which reacts wit	h hydrochloric	acid and po	tassium ferricyanide solution g	gives yellow
	(A) -	Morphine		(B)	Codeine	
	(G):	Papaverine		(D)	Meconic acid	
				:		
126.	Whiel	h one is epidermis	consist of stro	ngly thicken	ed, pitted and lignified trichom	es
		Nux-vomica		(B)	Digitalis	
	(C)	Senna		(D)	Datura	
•						•
127.	Which	h is FDA approved	colour for food	ds and drugs		
٠.	(A)	Shellac		(B)	Cantharides	
',	(C)	Honey			Cochineal	
T A T>=						

128.	Proto	plasts are the cells devoid of		
٠,	(A)	Nucleus only	(B)	Nucleus and cell wall
		Cell wall only	, (D)	Cell membrane only
	,			
129.	Ther	henomenon of reversion of mature	cells to m	eristematic cell tissue is known as
120.	(A)	Redifferentiation		Dedifferentiation
	(C)	Retrotransformation	(D)	Reverse transformation
	(0)	1000001111101011		
			•	
	· ·			
130.	Haple	<mark>oid plants can be gen</mark> erated from wh	nich of the	·
**	(A)	Meristem culture	(B)	Leaf culture
	(C)	Hairy Root culture		Anther culture
131.	Whic	h of the following is used in the ferm	entative	production of Vitamin – C (Ascorbic Acid)
		Acetobactor suboxydans	(B)	Streptomyces griseus
	(C)		(D)	Candida flareri
. \	· · ·			
132.	Whic	h of the following is NOT used as ar	ntifoamin	
	(A)	Stearyl alcohol	(B)	Vegetable oils
	(C):	Pectin	(D)	Silicones
•	•			
133.	The F	Peruvian bark is used for		
100.	(A)	Anti tumour	(P)	Bitter tonic
	(C)	Antiamoebic	(D)	Diuretic
•	.(0)	Timutamousic	. (2)	
134.	Whic	h of the following intermediates is I	NOT valid	in the biosynthesis of cholesterol?
	(A)	Squalene	(B)	Shikimic acid
	(C)	Mevalonic acid	(D)	Isopentenyl pyrophosphate (IPP)

135.	What	t is the storage form of gluc	ose in plants?	
•	<u>(</u> (A)	Glycogen	(B)	Dextran
	(C)·	Sucrose		Starch
	•			
·. · ,				
136.	The s	shikimic acid pathway provi	ides an alternativ	e route to compounds.
•	(A)	Terpenoids	(3)	Aromatic compounds
	(C)	Steorids	. (D)	Carbohydrates
	• • •		•	
137.	WHO	guidelines on GMP for her	hal madiainas da	NOT dool with
	(A)	Personnel in the manufac		NOT dear with
		Post-harvest processing of		
	(C)	Premises of the manufact		MAI V
: .	(D)	Documentation of relevan		
	(D)	Documentation of Televan	. processes	
			,	
138.		HO guidelines for assessing	g quality, Herbal I	Medicinal Products refer to
	(A)	Herbal preparations		
	(3)	Finished herbal products		
	(C)	Both (A) & (B) above		
•	(D)	Such a term is Not used in	n the guidelines.	
	•		•	
139.	What	t is the power house of plan	t cell?	
		Mitochondria	(B)	Lysosome
•	(C)	Golgi body	(D)	Nucleus
				•
140.	Whic	h of the following is <u>NOT</u> de	erived form α –ke	toglutarate
	(A)	Glutamate	(B)	Proline
٠.	(C)	Arginine	(D)	

Drugs Technical Advisory Board (DTAB) for Allopathy consists of Ex officio, elected and

	nomin	nated members. How many are elected	mem	oers?
	·(A)	18 members	(B)	8 members
	(6)	5 members	(D)	3 members
,				
• •	. ` .			
142.	Requi	rements and guidelines on clinical tria	ls for	import and manufacture of new drugs are
	given	in ———?		
	(A)	Schedule U	(B)	Schedule T
	(C)	Schedule Y	(D)	Schedule F
	<i>(: : : : : : : : : : : : : : : : : : :</i>			
	;			$1 \land C \lor / \lor$
143.	Adult	erated drugs means		IAI Y
	· (A)	Drugs consisting of any filthy, putrid,	decor	nposed substances
	(B)	Drugs which are imitations		
, %	(C)	Drugs which bear names of other drug	g .	
	(D)	Drugs not having claimed therapeutic	value	es
٠. ٠				
144.	Stand	lards of disinfectant fluids are specified	lin	
	(A)	Schedule P	(B)	Schedule S
•	(0)	Schedule O	(D)	Schedule W
* * * * * * * * * * * * * * * * * * * *	`		•	
145.	Which	h of the following statement is correct f	or def	ining "Phytopharmaceutical drug"?
	(A)	Purified and standardized fraction of	an ex	tract of a medicinal plant
	(B)	Purified and standardized fraction	of an	extract of a medicinal plant containing
	.,	minimum form bioactive compounds		• • • • • • • • • • • • • • • • • • • •
	(C)	Any plant based product for human us	se	
•	(D)	Any plant based product for parenters	al use	

146.	The	validity	period	of retai	l'sale	Licence	of Drugs:	is

(A) 1 yr

(B) 2 vr

(C) 3 yr

(D) unlimited time

147. The container of a medicine for internal use is labelled "Caution: it is dangerous to take their preparation except under medical supervision". This is the requirement for

- (A) medicine specified in schedule H
- (B) medicine specified in schedule H1
- medicine specified in schedule G
- (D) medicine specified as narcotic drugs

148. Licence to operate blood bank or process whole human blood is issued by

- (A) State Health Secretary
- State Drugs Controller
- (C) Director General Health Services, GOI
- (D) Drugs Controller General India

149. Import of drugs for personal use contains average doses in milligram upto

(A) 200

100

(C) .50

(D) 400

150. Person from teaching profession are nominated in PCI by

(A) Executive Committee

(B) Election

Central Government

(D) State Government

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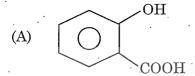
		is the	precursors for	r Vitamin A	• •	•	
151.		Carotenes	processor		(B)	Cholesterol	
	(C)	Carotenes		• • .	(D)	Ergosterol	1
	(- /	<i>y</i> .					
e.							
	т1	in playe an ac	sential part in	 1			,
152.			•		(B)	synthesis of thyrocine	
	(A) '.	hypertension	,		(D)	blood pressure	
	(C)	glucose met	abolism		(-)		
			· · · · · · · · · · · · · · · · · · ·				
						L1 -t regrice head upo	n the rates of shear
153.	For -	•	luids, viscosit	ty is not a co	onstar	nt but varies based upo	
	or sh	r <mark>ear</mark> stress at	w <mark>hich</mark> it is me	asurea.	(P)	Absolute	
	(A)	Dynamic			(B)	Non-Newtonian	
	(C)	Newtonian				Non-new toman	
154	. At a tem	given temper perature and Boyle's law Charle's la	the amount co	essure a kno onstant is—	wn an (B) (D)	nount of a gas has fixed ——— law. Avogadro's law Gay Lussae's law	volume, keeping the
					·		
			; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	* .		,	
15	š	ind	icators are us	ed in comple	exome	tric titrations.	
. 10	(A)	Acid-base		·	(B)		
	(CX)		onic indicator	s	(D)	Starch-Iodide indica	tors
		Metaloom					
					• .		
					ta aati	mata ovvoen under gas	ometric analysis?
15	6. Wl	470		tus is used t		mate oxygen under gas) Gutzeit apparatus	
		Hempel a	•	•	(B		•
	(C) Kjeldahl	apparatus		(D) Soxhlet apparatus	
	,					,	

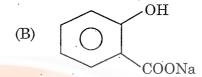
. 157		enes undergo 1,4 – addition and a suctions are known as	renes	give non conjugated cyclo hexadienes such
,	. (A)	Pinnacolization	. 4	Birch reduction
•	(C)	Clemmensen reduction	(I	
	٠.			
150	70 - 1			
158.	redi	luction with active metals dissolve uction.	ed in	liquid ammonia is called —————
	(A)	Cannizzaro	· (B)	Crossed Cannizzaro
	(C)	Birch	(D)	·
159.	May	er reagent contains	N	nncv)
	(A)	Potassium thiocyanate	(B)	Potassium tetra oxalate
160.	Men	Potassium mercuric iodide thol is a ——————————————————————————————————	(D)	Pyridine bromide
	(A)	Primary	(B)	Unsaturated secondary
,	(6)	Saturated secondary	(D)	Tertiary
161.	Whic	h does not regulate/modify the reprod	uctive	system?
. 4	(4)	Diosgenin	(B)	Androgen
	(C)	Oestrogen	(D)	Gestogen
. ,				
162.	The a	bsolute configuration of steroid can be	expla	ined by the rule
;	(A)	Bernal rule	. P	Mills's rule
:	(C)	Crow foot rule	(D)	Wieland rule

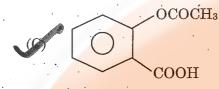
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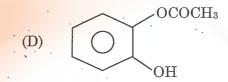
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163. Which of the following chemical structure is the Aspirin?









- 164. Which of the following antimalarial drugs having 4-amino quinoline nucleus?
 - (A) Pama quine
 - (B) Mepacrine
 - Chloroquine
 - (D) Pyrimethamine
- 165. Purine analogous drug used in anticancer therapy.
 - (A) Vinblastine
 - (B) Dactinomycin
 - (C) Metho trexate
 - Thioguanine
- 166. Quinine and Quinidine are
 - (A) Tautomers
 - Diastereomers
 - $(C) \hspace{0.5cm} \hbox{Super impossible mirror image} \\$
 - (D) Non super impossible mirror image

167.	Whic	h one of the following is Thiop	hene derivativ	es of histamine $H_{\scriptscriptstyle 1}$ receptor antagonist?
	(A)	Doxylamine succinate		
,	(B)	Mepyramine hydrochloride		
	(6)	Methaphenilene hydrochlori	de	
	(D)	Zolamine hydrochloride		
168.	•	prepared by the in	teraction of 2-r	nethyl 2 phenyl succinic acid with excess of
	40% 1	methylamine.		
	(A)	Primidone	(B)	Sultiame
	(C) ·	Carbamazepine	(D) .	Methsuximide
				ΠΔΙ Υ
169.	Whic	h one of the following drug is	used as long ac	ting barbiturates?
	(A)	Allobarbital	(B)	Pentobarbital sodium
	VC)	Phenobarbital	(D)	Thiopental sodium ,
			•	
170.			entified in par	er chromatography by spraying a dilute
		ion of		
	(A)	Ammonia		
	(B)·	Aniline hydrogen phthalate		
	(C)	95% ethanol		
		Ninhydrin		
	•		·,	
	• • •			
171.	Most	widely used for producing IR	source radiation	on ·
٠.	• (A)	Mercury lamp	(B)	Sodium lamp
		Globar	(D)	Deuterium lamp
•	4		•	•

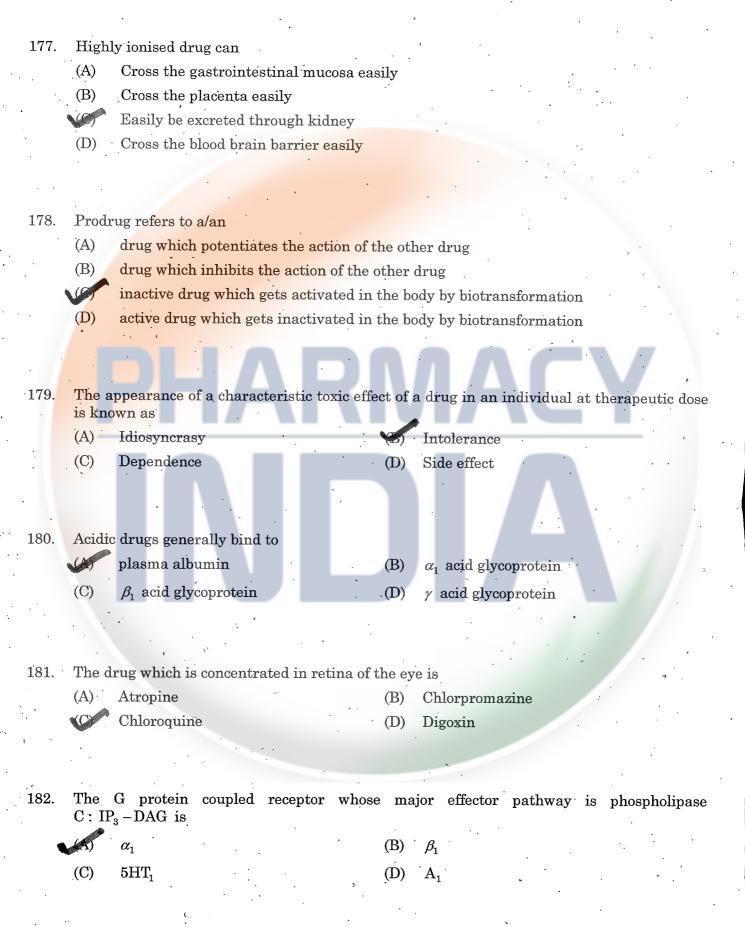
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173.	(A) Hypso (A)	ethanol (90%) deuterated chloroform ochromic shift in UV wavelength mea	(B) (D)	acetone dichloro methane	,
		ochromic shift in UV wavelength mea		dichloro methane	,
-					
-					
-			~		
	(A)		.ns		
. 4		increase in the intensity of an absorp	ption b	and	
	(B)	a shift of λ_{max} to longer wavelength	•		
	(C)	a shift of λ_{\max} to shorter wavelength	ı.		
	(D)	decrease in the intensity of an absor	·	and	
174				IACY	
174.	IK sp	ectra is obtained due to	.· (D)		
	(A)	vibrational transitions	(B)	electronic transitions	,
	(C)	rotational transitions	(D)	spin reversal	
			-		
,	. 1		A		
175.	Enan	tiomers can be identified by the chang	ge in p	ane polarised light's property of	. •
,	(A)	increase in frequency	٠.		
	(B)	quenching effect			
•	(6)	rotation by exactly same angle but o	pposite	e direction •	
	(D)	rotation in same direction			
	`				•
176.		t would be the nature of (A) mobile ph HPLC (Reverse phase chromatograph		d (B) stationary phases (in the same ordem)?	der

polar and non polar

gas and fluro carbon



183.	Asser	tion (A):	Paediatric formu	lations of	Aspiri	n are prohibited in India.
	Reaso	on (R):	High doses of As	pirin may	cause	respiratory acidosis.
	(A)	Both (A)	and (R) are true a	nd (R) is th	ie cori	rect reason for (A)
٠.	P	Both (A)	and (R) are true b	ut (R) is no	t the	correct reason for (A)
	(C)	(A) is true	e but (R) is false			
	(D)	(R) is true	e but (A) is false			
	.*	· .	**			
					•	•
184.	Spina	bifida and	l other neural tub	e effects ar	e the	teratogenic effects of
	(A)	Lithium	carbonate	•	(B)	Indomethacin
	VO	Valproate	e sodium	·	(D)	Warfarin
		,			1/	
185.	Morp	<mark>hine sti</mark> mu	ılates		V	
	(A)	respirato	ry centre	٠.	(B)	chemoreceptor trigger zone
	(C)	cough cer	ntre	•	(D)	vasomotor centre
	٠					
. \	, ,			· .		
186.	Antip	sychotic d	rugs are potent			, ,
	(A)	D_1 recep	tor blocking agen	ts ,	(P)	${\rm D_2}$ receptor blocking agents
	(C)	$\mathrm{D_{3}}$ recep	tor blocking agen	ts	(D)	D ₄ receptor blocking agents
٠.						
187.	Gluts	amate and	aspartate are			
101.	A (A)	;	ry amino acids		(B)	Inhibitory amino acids
	(C)		ry amines		(D)	Inhibitory amines
		A	y diffilion		(-)	
			•	•		

Celecoxib

Indomethacin

188.

(A)

(C),

Selective Cox-II inhibitor is

Piroxicam

Asprin

189. Plasma half life of Glibenclamide is



(B) 3-4 hrs

(C) 35 hrs

(D) 18 hrs

190. Peak plasma concentration of regular soluble insulin is normally achieved after

(A) 15 - 30 minutes

2-3 hours

(C) 8-10 hours

(D) 15-20 hours

191. Which of the following is orally effective?

(A) TSH

(B) FSH

(C)

Thyroxine

(D) Insulin

192. Which of the following is an antiestrogen?

(A)

Tamoxifen

(B) Mife pristone

(C) Flutamide

(D) Oxytoxin

193. All the following drugs are components of drug regimen used in the treatment of H.pylori infection except

(A) Metronidazole

Oxytetracycline

(C) Amoxycillin

(D) Clarithromycin

194. The topical sulfonamide which prevents colonization of burns by both gram positive and gram negative bacteria is

(A) sulfisoxazole

mafenide propionate

- (C) sulfadiazine
- (D) sulfasalazine

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190.	Trimm	acili is a seimisymmetre doily doil		•
		Kanamycin	(B)	Penicillin
	(C)	Mitomycin	(D)	Bleomycin
196,	The a	ntiulcer drug which has a thiaz	cole ring is	
		Famotidine	· · · · · (B)	Ranitidine
	(C)	Cimetidine	(D)	Dexrabeprazole
*				
	/.		*.	
197.	Brom	ocriptine is a selective		
101.	(A)	D_1 agonist		${f D_2}$ agonist.
		D ₁ antagonist	(D)	$\mathrm{D_2}$ antagonist
	(C)	D ₁ antagonist		
		i:		
	,			
198.	The	$\mathrm{H_{1}}$ receptor antagonist having a	a high antimu	iscarinic action is
	(A)	Diphenhydramine HCl	(B)	Loratadine
	(C)	Fexofenadine	(D)	Hydroxyzine
· · · · · · · · · · · · · · · · · · ·				
199.	Onda	ansetron acts on		
	(48)	5 HT ₃ receptor	(B)	H_1 receptor
	(.C)	D_2 receptor	(D)	NK ₁ receptor
	(.0)	D ₂ receptor		
v				
•				
200.	All t	he following drugs are mucosal	•	
•	(A)	Bismuth salts	(B)	Sucral fate
	(C)	Misoprostol	(Tak	Pirenzepine

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