Sl. No.:

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Register Number		12 en 17			D	

2019 PHARMACEUTICAL CHEMISTRY (PG Degree Std.)

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. 1.
- 2. 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.
- 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.
- An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers. 5.
- 6. You will also encode your Question Booklet Number 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, action will be taken as per Commission's notification.
- 7. 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.
- 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 9. 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.
- 10. Do not make any marking in the question booklet except in the sheet before the last page of the question booklet, which can be used for rough work. This should be strictly adhered.
- Applicants have to write and shade the total number of answer fields left blank on the boxes provided 11. 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.
- 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.



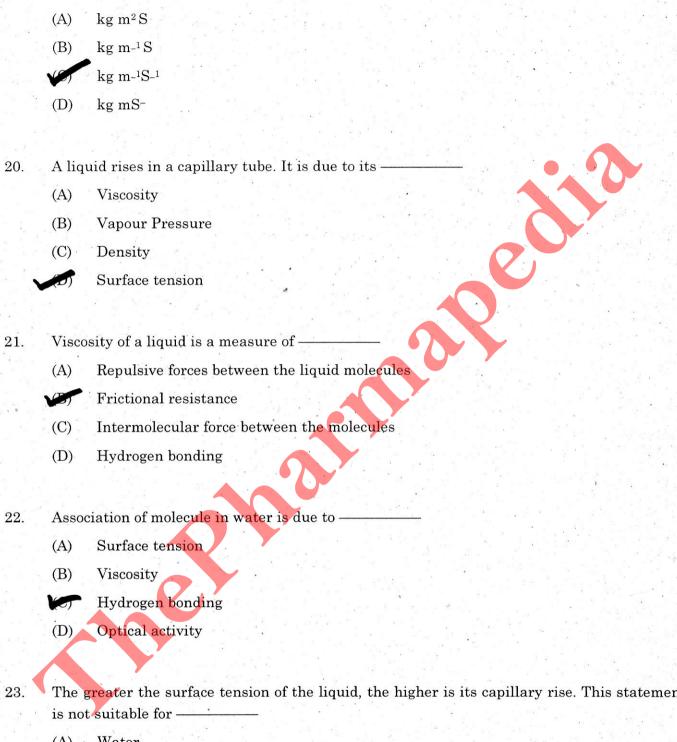
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Complexometric titration

(A) (B) (D) Diba (A) (B) (C) (D)	Calcium phosphate Stannous fluoride Strontium chloride Sodium fluoride sic calcium phosphate is used— to treat dental caries to relieve dental hypersensitivity as dentifrice to fill cavities
(D) Diba (A) (B)	Strontium chloride Sodium fluoride sic calcium phosphate is used ——— to treat dental caries to relieve dental hypersensitivity as dentifrice
Diba (A) (B)	Sodium fluoride sic calcium phosphate is used ——— to treat dental caries to relieve dental hypersensitivity as dentifrice
Diba (A) (B)	sic calcium phosphate is used——— to treat dental caries to relieve dental hypersensitivity as dentifrice
(A) (B)	to treat dental caries to relieve dental hypersensitivity as dentifrice
(A) (B)	to treat dental caries to relieve dental hypersensitivity as dentifrice
(B)	to relieve dental hypersensitivity as dentifrice
	as dentifrice
(D)	그는 소개가 있다면 하는 사람들은 그는 사람들이 가는 사람들이 되었다. 그는 사람들이 다 없었다.
(D)	to fill cavities
The r	number of ligand donor atoms to which the metal is directly bonded is defined as
(A)	Co ordination sphere
(B)	Co ordination polyhedron
(0)	Co ordination number
(D)	Counter ion
Ethy	lene diamine tetra acetic acid ionises in ———— stages
	1
	2
C NORMANICO	
D	
	그는 사람들이 되는 것이 없는 것이 되고 있는 사람들은 그리고 만든 것이 없다.
	is prepared by double decomposition reaction of hot ferrous sulphate and
sodiu	m fumarate
45	Ferrous Fumarate
(B)	Ferrous fluoride
(C)	Ferrous glyconate
(D)	Calcium Fumarate
	. 보고 있는 것도 생생하는 이 모르게 되는 것도 보고 있는데 보고 있는데 보고 있는데 보고 있는데 그런데 그를 보고 있는데 보고 있다. 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그 그는데 그렇게 되는 것을 하는데 그렇게 되는 것도 되는데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런데 그런
2/19	
	(A) (B) (C) (D) Ethy (A) (B) (C) sodiu (B) (C) (D)

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- The greater the surface tension of the liquid, the higher is its capillary rise. This statement
 - (A) Water
 - Mercury
 - (C) Glycerin
 - Acetic acid (D)

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revious	1 car y	Zuestion raper OTAT Drug ms		visit fittps.//thepharmapeura.com/
30.	Opti calle		lane of polari	sation by equal and opposite amounts are
	(A)	Diastereo isomers		
	(6)	Enantiomers		
	(C)	Geometrical isomers		
	(D)	Cis-Trans isomers		
31.	or tw			or more different ways whether in one step nge is same no matter by which method the
	(A)	Hess law		
	(B)	Gibb's law		
	(C)	Law of mass action		
	(D)	Vant Hoff rules		
32.		alled Stereoisomers Structural isomers	(B) (D)	out differ in arrangement of atoms in space Optical isomers Chiral
33.	The l	heat of combustion can be deter	rmined experi	mentally in a
	(A)	Polarimeter	(B)	Colorimeter
	VO	Calorimeter	(D)	Refractrometer
34.	The called		als with the ho	eat changes caused by chemical reaction is
	(A)	Phyto chemistry		
	P	Thermo chemistry		
	(C)	Photo chemistry		
	(D)	Electrochemical chemistry		
				그 게임 그 그는 이렇게 하셨다고 하는 없이 가게 되어 가지 않아 다른 사람들이 없다.

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35.	The	product of Molar Mass and specific re	efraction	is called
	(A)	Refractive Index		
	(3)	Molar Refraction		
	(\mathbf{C})	Reflective Index		
	(D)	Molar Reflection		
36.	The	square of Refractive Index is used to	detect	
:)	(A)	Carbon bonds		
	(B)	Nitrogen bonds		
	(C)	Sulphur bonds		
	1	Hydrogen – bond complexes		
37.	Refra	active Index of water at room temper	ature is	
	(A)	1.55	(B)	1.44
		1.33	(D)	1.22
	V			
20	/DI-'-		to the second of	
38.		rence is known as	ia ievo c	circularly polarised light are different, this
		Circular dichroism	(B)	Circular Polarity
	(C)	Circular Asborptivity	(D)	Circular mobility
39.	A m	athematical relation, connecting to	al mola	r energy of fluid (gas or liquid) with its
		ne and temperature is called as		
	1	Caloric Equations of state	(B)	Overlap repulsion force
	(C)	Random packing modal	(D)	Cybotactic group model
40.	The a	average amount of energy required to	dissocia	ate one mole is called as
	(A)	endothermic compound		bond energy
	(C)	exothermic compound	(D)	heat of reaction

DJPC/19 10

(D)

Acetylene

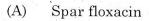
(C)

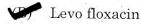
Alkyne

7.	Whic	h one of the following has higher energ	ies tha	in the combining Atomic Orbitals (AOs)
	(A)	Bonding Molecular Orbitals (BMOs)		
	10)	. Anti Bonding Molecular Orbitals (AB	MOs)	[- 14. : 14. : 15 : 15 : 15 : 15 : 15 : 15 : 15 : 1
	(C)	Atomic Molecular Orbitals (AMOs)		
	(D)	Linear Combination of Atomic Orbita	ls (LC	AOs)
8.	Digo	xin is inhibitor of		
	(A)	Na ⁺ /K ⁺ ATP-ase located in cardiac mu	ultle	
	(B)	FADP Inhibtion in cell		
	(C)	Ca ⁺ ATP-ase located in cardiac cells	A.	
	(D)	Na ⁺ ATP-ase located in cardiac cells	Ī.	
9.	In ca	se of Digitalis purpurea, the cardiac ac	tivity	is maximum with
. ((A)	Odoro side – H	D	Digoxin
	(C)	Digitoxin	(D).	Purpureo side – A
			3	
0.	Whic	ch one of the following is 4–Quinolinone	e 3–Ca	rboxylic acid derivative?
	(A)	Nalidixic acid	(B)	Enoxacin
	(C)	Cinoxacin	(6)	Norfloxacin
1.	Pipe	razine citrate is used in the treatment	of	
	(A)	Expectorant	(B)	Anti Tussive
	1	Anthelmintics	(D)	Anti Emetics
			-	
2.	Pyri	midine nucleus is present in which of t	he follo	owing
-		Pyrantel	(B)	Niclosamide
	(C)	Thio bendazole	(D)	Pyrazi Quantel
		hyl carbamazine citrate comes under w	zhich c	lass of Antholmintics
9	11			
3.	Diet (A)	Benzimidazole	EW 194 11 11 12	Nitro derivatives

7

54. S-Enantiomer of ofloxacin is called as -





(C) Lome floxacin

(D) Balo floxacin

55. Which one of the following is an azole antifungal agent?

(A) Sordarin

(B) Butenafine

Ketoconazole

(D) Griseofulvin

56. The mechanism of action of Trimethoprim.

- (A) Blocks dihydrofolate reductase
- (B) Blocks t-RNA binding to m-RNA
- Blocks electron transport of bacteria
- (D) Blocks synthesis of dihydropteroic acid

57. The first marketed anti bacterial drugs were

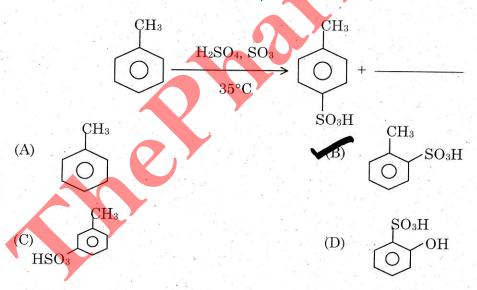
(A) Cephalo sporins

(B) Pencillins

(C) Amoxy cillins

Sulfanilamide

58. Fill the Electrophilic aromatic substitution reaction:



59. Which of the following antifungal should not be used during pregnancy?

- (A) Isavuconazonium sulfate
- (B) Nafti fine

(C) Butena fine

(D) Terbena fine

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- (A) Proguanil HCl Pyrimethamine (C) Cycloguanil Pamoate (D) Chlorophenyl guanidine What could be the starting matial for the synthesis of Phenobarbital? 61. Benzyl chloride Ethyl Methyl Ketone (B) (C) Phenyl Acetamide Phenyl Acetyl Chloride (D)which activity Trimethoprim exhibits 62. (A) Antihistaminic (B) Anthelmintics Anti bacterial Anti depressant Which one of the following is osmotic diuretic used in treatment of hypertension? 63.
- Mannitol

 (B) Sorbitol

 (C) Asstantantia (D) Chlorthiagida
- (C) Acetazolamide (D) Chlorthiazide
- 64. Metazocine is unsuitable for usage because of its

 Psychomimetic side effects

 (B) Neurologic side effects

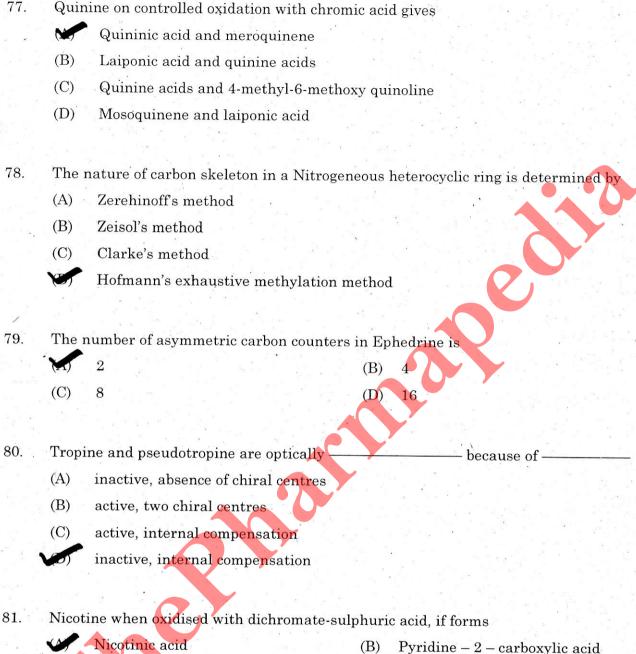
 (C) Nephrologic side effects

 (D) Hepatic side effects

Rheumatiod arthritis (B) Goitre Diabetis mellitus (D) Heart disease (C)

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	이는 이 시간들은 것은 하는 그는 말을 다 보다는			
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77.	Quinine on controlled oxidation with chromic acid gives			
	Quininic acid and meroquinene			





(D) Benzoic acid

82. The presence of N-methyl group and their numbers may be determined by means of

- (A) Hofmann's exhaustive methylation method
- (B) Van Braun's method

Herzig-meyer method

(D) Emde degradation method

- Collisional quenching
- (B) Static quenching
- (C)Tyndall scatter
- (D) Rayleigh scatter

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88. The efficiency of a chromatography column is measured by its number of (A) Elution Theoretical plates (C) Mobile phase Compounds in mixture The upper surface of a column should be protected by using 89. - in gel filteration. Adsorbents (A) (B) Charcoal Filter paper (D) Absorbents 90. Mechanism of separation in TLC of paraffin oil or silicon oil coated on silica is Reversed phase partition (B) Adsorbtion Reversed phase absorbance Ion exchange (D) 91. Which of the following developing reagent is used for visualization of amino acid in thin layer chromatography? Iodine vapour Bratton-Marshall reagent (B) Ninhydrin reagent (D) Dragendroff's reagent can be made visible through exposure of the TLC plate to iodine vapor. 92. (A) electrolytes (B) organometallic compounds organic analytes inorganic analytes · (D) 93. The most common iodine isotope used for biological arrays 125 T 131T(A)

(C)

 124 T

136 J

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94.	IR al	osorption spectra are due to changes in	i	energy accompanied by change in
	rotat	ional energy.		
	(A)	electronic		
		vibrational		
Ax	(C)	nuclear spin		
	(D)	molecular charge	3	
95.	In II	R, two atoms (non bonded) connected t	o a cei	ntral atom move up and move down below
	the p	plane is called ———— vibration.		
	(A)	Twisting	(B)	Scissoring
,	1	Wagging	(D)	Rocking
	2			
96.	A co	mmon detector employed to detect IR r	adiatio	on is the
	(A)	Photovoltanic cell	(B)	Photomultiplier
	(C)	Crystal	0	Thermocouple
97.	Defo	rmation vibrations in IR spectroscopy	is calle	ed as
		bending vibrations		
	(B)	symmetric vibrations		
	(C)	asymmetric vibrations		
	(D)	stretching vibrations		
			•	
98.	In N	IMR, the inter action between different	hydro	gens in a molecule is
	(A)	chemical shift	(B)	coupling constant
Y - ,		spin-spin coupling	(D)	deshielding
			0	DJPC/19

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99.	Sodi	um carbonate added to hot solution o	f phosp	horic acid gives
	(1)	Disodium hydrogen phosphate	(B)	Sodium phosphoric acid
	(C)	Sodium bicarbonate	(D)	Sodium acid phosphate
100.	-	is dimethyl polysiloxane of g	rade 20	00
	(A)	Sulphurated potash		Dimethicone
	(C)	Potash	(D)	Kaolin
101.			substan	ces from GIT, caused due to poisonina or in
		rhoea	1	
	(A)	Acidifiers	- B)	Adsorbents
	(C)	Antacids	(D)	Laxatives
102.	Fron	n the following identify the chemical fo	ormula	for magaldrate
	(A)	$mg_6 Al_2 (OH)_{16} CO_3.4H_2O$	(8)	${ m Al}_5{ m mg}_{10}({ m OH})_{31}({ m SO}_4)_2$
	(C)	$\mathrm{Al}_2\mathrm{mg}_6\mathrm{(CO}_3)_2\mathrm{(OH)}_{14}.4\mathrm{H}_2\mathrm{O}$	(D)	$\mathrm{CaCO_3}$
103.		———— is obtained when magnesium	chlorio	de reacts with sodium hydroxide
	(A)	Magnesium phosphate	(B)	Manganese oxide
	(C)	Aluminium hydroxide	(5)	Magnesium hydroxide
104.	Epso	m salt is known as		
	(A)	Calcium carbonate	(B)	Calcium hydroxide
		Magnesium sulphate	(D)	Magnesium carbonate
105.	Roch	elle salt is known as		
	(A)	Sodium sulphate	(3)	Sodium potassium tartrate
	(C)	Sodium phosphate	(D)	Bismuth sub carbonate
				보다가 되면 되었다면 하는 그 바람이 하나 없다.

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111. ———— is a material used for cleaning of teeth and adjacent gums

- (A) Dental caries
- (B) Oral Antiseptic
- (c) Dentifrice
- (D) Dental hypersensitivity

112.		——— can be obtained by careful neu	traliza	tion of hydrochloric acid with lime.
	(A)	Calcium gluconate	1	Calcium chloride
	(C)	Potassium chloride	(D)	Sodium chloride
113.	Assa	y of Ammonium chloride is by		
	(A)	Complexometry	(B)	Non-aqueous titration
	(C)	Acidimetry	(6).	Modified Volmard's method
114.	Calci	um hydroxide is assayed by		
	(A)	Acidimetry	(B)	Alkalimetry
		Complexometric titration	(D)	Non-aqueous titration
115.		ne assay of aluminium hydroxide gel l n which conditions only the complex fo	15	
	(A)	Disodium edetate		
	(B)	Ammonia ammonium chloride		시마리 성급다. 아이라는 성급했다?
		Hexamine		
	(D)	Magnesium oxide		
116.	In co	mpound sodium chloride solution, sodi	um is	determined by ———.
	(A)	Spectro photometry		
	(B)	Flame photometry		
	(C)	Fluorimetry		
	(D)	Turbidometry		해가 있는 것이 하는 하는 하고 있다.
	- Sept.			
117.	Calci	um gluconate is assayed by ————		
	(A)	Precipitation titration		시시 일본 시간 시간 시간 시간 사람이 없다.
	(B)	Non-aqueous titration		
	(C)	Gravimetry method		
	(0)	Complexometric titration		

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		그렇다 하셨다. 그 전에 된 이번 시간에 하는 사이 나는 사이 사고를 하는 것 같아 없었다. 그렇게 되었다.
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118.	Whic	ch of the following is used as oral antiseptic?
	(A)	Sodium perborate
	(B)	Sodium Thio Sulphate
	(C)	Sodium Sulphite
	(D)	Sodium Methoxide
119.		has been the traditional cleaning-polishing agent for most tooth pastes and
	tooth	n powders
	(A)	Sodium Carbonate
	(5)	Calcium Carbonate
	(C)	Calcium Sulphate
	(D)	Sodium bi carbonate
120.	Calci	ium chloró hypochlorite is known as
	(A)	Epsom salt
	(B)	Precipitated chalk
,	(0)	Bleaching powder
	(D)	Lime salt
121.	Britis	sh anti lewisite (B.A.L) is
	(A)	Leucovarin calcium
	(B)	D. Penicillamine
		Dimencaprol
	(D)	Editic acid
122.	The S	SI unit of surface tension is ———

(4)

(A) dyne cm

(B) dyne-1 cm

(C) Nm

 Nm^{-1}

DJPC/19 [Turn over

7

123.	Glyc	erol has an unusually high viscosity n	nainly	because of its high capacity to form
	(A)	Free radicals	(B)	Ionic bonds
	4	Hydrogen bonds	(D)	Binary compounds
124.	As tl	he temperature of a liquid increases, it	s visco	sity———
	(A) §	increases	(B)	increases or decreases
	(C)	remains same	(0)	decreases
125.	Osm	otic pressure of a solution is a/an ——		
	(A)	Colloidal property	(B)	electrochemical property
		colligative property	(D)	catalytic property
100				
126.	In ac	etone - chloroform system the deviation	n fron	n Raoult's law is ————
	(A)	positive		negative
	(C)	zero	(D)	positive and negative
127.	In ma	ass spectra the most intense peak is kr	nown a	ıs
		Base peak	(B)	Hydrocarbon peak
	(C)	Fragment ion peak	(D)	Rearrangement peak
128.	Peop	The second secon	cann	ot drink the seawater. The reason is it
	(A)	Surface tension is too low	B)	Osmotic pressure is too high
	(C)	Viscosity is too high	(D)	Freezing temperature is too high
129.	Whic	h one is a colligative property		
		Osmotic pressure	(B)	Molecular weight
	(C)	Surface tension	(D)	Atomic volume

130.	Nitro	ous oxide is manufactured by the action of heat on
	(A)	Sodium nitrate
	(B)	Potassium nitrate
		Ammonium nitrate
	(D)	Ammonium carbonate
;		
131.	In te	sting oxygen for carbon di-oxide, the gas is passed slowly through a 3% solution of
	(A)	Calcium chloride
	(B)	Magnesium chloride
		Barium hydroxide
	(D)	Ammonium hydroxide
132.		change in enthalpy that take place when one mole of the compound is farmed from its ents. If is usually represented by $\Delta H_{\rm f} \hspace{1cm} \Delta H$
	(C)	$\Delta^\circ H^\circ$ (D) $\Sigma \mathring{\Delta} H^\circ$
133.	The s	eparation of racemic modification into enantiomers is called
	(A)	Revolution
	(B)	Regression
	6	Resolution
	(D)	Recession
134.		equation gives variation of partial vapour pressure of the constituents of a liquid
	mixt	are with the variation of the composition in the liquid phase
	(A)	Nernst (B) Gibb's
	(C)	Duhem-Margules (D) Raoult's
K		25 DJPC/19

135.	A car	rbon atom which is bonded to four different group is called as			
	(1)	Asymmetric carbon atom			
	(B)	Symmetric carbon atom			
	(C)	Optical isomerism			
	(D)	Geoisomerism			
		그 얼마 남자의 살이 나가 보고 하는데 된다. 사람들이 아니는 그 그리라는 그 살아 되는 사람들이 없다.			
136.	Which equation is the basis for the relationship between voltage generated and relevant concentration at each electrode?				
	(A)	Polynomial equation			
	(B)	Simultaneous equation			
	S	Nernst equation			
	(D)	Brag's equation			
		크레이닷컴, 하장기를 위한 그러는 다음 다음 🔫 🕒 교육이 모양했다고요.			
137.	A special type of functional isomerism in which the isomers are in dynamic equilibrium with each other				
	(A)	Metamerism			
	B)	Tautomerism			
	(C)	Enantiomers			
	(D)	Optical isomers			
138.	The phenomenon in which one of the products itself acts as a catalyst is known as				
	(A)	Positive Catalysis			
	(B)	Negative Catalysis			
	1	Auto - Catalysis			
	(D)	Promoter			
		성이 아들이 그는 아이에 가는 사이를 가는 사람이 되는 사람들이 살아 있다.			
139.	The angle of rotation of the plane polarized light produced by a liquid with a solution of volume 1 ml and 1 gm of substance with 1 dm length is called as				
	(A)	Optical activity			
	0	Specific rotation			
	(C)	Rotatory action			
	(D)	Specific absorbance			
,		그리움이 가지다면 다음에 의가 없어지면 어린 내다. 나는 사람이 살이 그렇게 했다.			

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(D)

Average mass unit

Atomic mass unit

The unit 'amu' means

(D)

146.

Largest Combination of Atomic Orbitals

Average molecule unit

Atomic molecule unit

Previous	Year (Question Paper GPAT Drug Inspector Pharmacist	DCO visit https://thepharmapedia.com
147.	Hete	terocyclic compounds are mainly synthesised fro	om
	(A)		
	(B)	Tri Fluoro Acetic acid (TFA)	
	(C)		
	\$	Ethyl Aceto Acetate (EAA)	
148.	Vita	amin-K3 is called as	
110.	(A)		Menaquinone
	3 0)	(D)	Phylloquinone
149.		ayl aceto acetate can be synthesised by	
	(A)		
	(3)	Claisen condensation	
	(C)	Clemmenon reduction	
	(D)	Birch Reduction	
			를 넘었다고 한 보고난다.
150.	Alky	ylated derivatives of acetic acid are obtained from	m ——— by acid hydrolysis.
	(A)	Malonic Esters	
	(B)	Succinic Esters	
	(C)	Diethyl Esters	
		Aceto Acetic Esters	
151.	CH_3	$_3$ -CO-CH $_2$ -COOC $_2$ H $_5$ is called as	
	(A)	Diethyl Malonate (DEM)	Ethyl Aceto Acetate (EAA)

- Tri Ethyl Amine (TEA)
- (D) Diethyl Amine (DEA)

Molecules like H_2, O_2, N_2, Cl_2 and Br_2 have -152. — Dipole moments.

Very high

(B) Very low

Zero

(D) High

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In an E1 reaction involving an altyl halide and a base, the rate of the reaction is linearly depends on the concentration of the alkyl halide only linearly depends on the concentration of both reactants (B) (C) independent of the concentration of the alkyl halide (D) is independent of the concentration of both reactants The major product of E2 reaction of alkyl fluorides is the 154. alkene (A) Terminal (B) More stable Less stable Symmetric (D) 2-Bromo butane heated with alcoholic KOH gives 155. Cyclobutans (A) (B) 1 Butanol 1-Butene and 2-butene (D) Tri substituted butune Which reaction takes place with inversion of configuration? 156. (A) SN1 reaction SN² reaction (C) Asymmetric synthesis (D) Stereo selective reaction 157. Electrophiles are Electron rich species (A) Electron deficient species (C) Neutrons rich species

K

(D)

Proton deficient species

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Prazi Quantel

(C)

Avermectin

- 164. Barbiturate and Benzodiazepines (Sedative and Hypnotics) are
 - GABA receptor Agonist
- (B) GABA receptor Antagonist
- (C) DUPA receptor Agonist
- (D) DUPA receptor Antagonist
- 165. Which one of the following does not have asymmetric carbon?
 - (A) Halothane

(B) Isoflurane

(C) Desflurane

- Methoxyflurane
- 166. Which one of the following Antidepresent is selective Nor epinephrine Receptor Inhibitor?
 - (A) Citalopram

(B) Sertraline

(I) Desipramine

- (D) Fluoxetine
- 167. Which form of Triprolidine is pharmacologicaly active?
 - (A) CIS-form

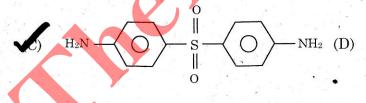
(3) Trans-form

(C) R-form

(D) S-form

(B)

168. Choose the correct chemicals structure of Dapsone



- 169. A cardioselective β –adrenergic blockers is
 - (A) Nitroglycerin

B) Propranolol

(C) Verapamil

(D) Bepridil

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7

- 175. Which of the following is pyrrolidine alkaloid?
 - (A) Ricinine
 - (B) Coninine
 - (A) Hygrine
 - (D) Reserpine
- 176. Molisch test is used for the identification of
 - (A) Proteins
 - B) Carbohydrates
 - (C) Alkaloids
 - (D) Steroids
- 177. Cholesterol contains ______number of carbon atoms.
 - (1) 27

(B) 17

(C) 24

- (D) 28
- 178. Which of the following amino acids has a phenolic ring?
 - (A) Proline

(B) Alanine

(C) Prytophan

- (Tyrosine
- 179. The number of chiral centres in Glucose is
 - (A) 8

(8)

(C) 16

(D) 10

180.	Malt	tose on hydrolysis by dilute acids yields			
	(A)	two molecules of fructose			
		two molecules of D-glucose			
	(C)	one molecules of D-glucose and one molecule of fructose			
	(D)	three molecules of D-glucose			
181.	Ligh	t source used for the measurement in the ultraviolet region is a			
	(A)	Tungsten filament lamp			
	(B)	Denterium discharge lam			
	(C)	Globar rod			
	(D)	Nernst glowers			
i o _n					
182.	Whic	ch of the following reduces the fluorescence of riboflavine by static quenching?			
	(A)	EDTA (B) Dimercaprol			
	(C)	Penicillamine Caffeine			
	•				
183.	Grad	les of silica used in HPTLC has the particle size as ———————————————————————————————————			
	(A)	large and uniform			
, ,	(B)	small and uniform			
	(C)	large and irregular			
	(D)	small and irregular			
184.	Which of the following is used for the determination of molecular weight?				
	(A)	Gas chromatography (B) Paper chromatography			
	1	Gel filtration (D) Ion-exchange			
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Job notification

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- 191. In an applied magnetic field in NMR study, the number of orientations of a nucleus with a spin number I, is given by the formula of
 - (A) 2(I+1)

(B) I + 1

(c) 2I+1

(D) I + 2

- 192. Standard used for NMR is
 - (A) methyl silane

(B) triethyl silane

(C) trimethyl silane

- D) tetramethyl silane
- 193. In NMR spectroscopy the difference between the resonance position of a nucleus and that of a standard reference compound is called as
 - (A) spin spin interaction

(B) proton magnetic resonance

(C) spin spin coupling

- (b) chemical shift
- 194. In NMR spectroscopy the distance between the centres of the two adjacent peaks in a multiplet usually is constant and is called
 - (A) Coupling constant

(B) Spin rotation constant

(C) Shift constant

- (D) Peak constant
- 195. Which of the following equipment is required for conducting radio immuno array?
 - (A) pH meter

(B) Centrifuge

(C) Conductometer

(D) Densitometer

- In which of the following ways the capillary electrophoretic separations are performed?
 - Iso electric focussing
 - Fast atom bombardment (B)
 - Double focussing spectrometers (C)
 - Field ionization (D)
- Conductance is expressed as units. 197.

 $ohms^{-1}$

8 (C)

- MeV
- method. Amperometric titrations are performed using
 - droping mercury electrode
 - glass electrode (B)
 - polarographic (C)
 - specific ion electrode (D)
- Stretching vibration in IR spectroscopy involves changes in the 199.
 - bond angle (A)

bond length

(C) bond rotation

- bond bending
- Stronger bonds produce IR absorption at higher frequencies which of the following would 200. be?
 - sp

(B) sp^2

 sp^3 (C)

(D) sp^4