GPAT QUESTION PAPER 2014 WITH ANSWER KEY

GPAT QUESTIONS

1.	, system doe	s not have ornice to relea	se the	arug.		
	(a) Elementary Osmotic	Pump	(b)	L-OROS		
	(c) Sandwich Osmotic Pump Tablet			Controlled Porosity Osmotic Pump Tablet		
2.	In which rearrangement	t reaction, Isocyanate is fo	ormed?			
	(a) Curtious	(b) Lossen	(c)	Both A & B	(d) None	
3.	Chitin gets converted in	to Chitosan upon:				
	(a) Acetylation	(b) Deacetylation	(c)	Oxidation	(d) Reduction	
4.	All of the following are k	eaf constants EXCEPT				
	(a) Vein-islet number		(b)	Vein-termination	number	
	(c) Stomatal number		(d)	Leaf fiber		
5.	Zink chloride is added to	mouth wash because it ac	cts as			
	(a) Fragrance	(b) Astringent	(c)	Cooling agent	(d) Antibacterial	
6.	The choice of route of ac	dministration plays an imp	ortant	role in action of dire	ectly acting cholinomimetic	
	Adverse effect of cho	line esters that may be	e avoid	led by selection o	f an appropriate route o	
	administration is					
	(a) Bradycardia	(b) Hypotension	(c)	Delirium	(d) Sweating	
7.	Sieve size 80 has openir	ng of				
	(a) 0.100 mm	(b) 0.125 mm	(c)	0.150 mm	(d) 0.180 mm	
8.	The ideal saponification	value for suppository bas	e is			
	(a) 50-100	(b) 100-150	(c)	150-200	(c) 200-500	
9.	o, m, p- isomers can be	differentiated on the basis	s of:			
	(a) Chemical shift		(b)	Coupling constant		
	(c) Extinction coefficier	nt	(d)	Dipole moment		
10.	Which of the following of	lrug comes under Scheduk	e C ₁			
	(a) Opium	(b) Ergot	(c)	Fish liver oil	(d) Insulin	
11.	Source of amla is					
	(a) Phyllanthus inruri		. ,	Terminiliachebula		
	(c) Terminalia Bacteria		(d)	Embika officinalis		
12.	What is the unit of dielec	ctric constant				
	(a) Dyne	(b) Debey	(c)	Farad/meter	(d) No Unit	
13.	Monitoring of plasma dr	ug concentration is requir	ed whi	le using:		
	(a) Antihypertensive di	rugs	(b)	Levodopa		
	(c) Lithium carbonate		(4)	MAO inhibitors		

14.	Of the following antibiotics, which one would be	acceptable to use when	treating penicillin resistant
	S. pnumoinae otitis media	(a) Cofuravima	(d) Cofoeler
15	(a) Azithromycin (b) Clarithromycin	(c) Cefuroxime	(d) Cefaclor
15.	Addition of which of the following to a large volume		aavisea
	(a) Active pharmaceutical ingredient	(b) Preservatives	
	(c) Buffering agens	(d) Tonicity adjusters	
16.	A drug suspension decomposes by zero-order k		stant of 2 mg mL ⁻¹ month ⁻¹
	if the initial concentration is 100 mg mL ⁻¹ what is t		
	(a) 2 months (b) 3 months	(c) 4 months	(d) 5 months
17.	Sanguinarine belongs to the subgroup of:		
	(a) Morphinans	(b) Benzyl isoquinolir	nes
	(c) Phthalide isoquinolines	(d) Benzophenanthre	nes
18.	Antidote for paracetamol overdosing is		
	(a) Atropine (b) N-Acetly cysteine	(c) Glutathione	(d) Theophylline
19.	Which one of the following drug combination is co	ntraindicated	
	(a) Glyceryl trinitrate and sildenafil	(b) Amoxicillin ar	nd clavulanic acid
	(c) Losartan and hydrochlorothiazide	(d) Pyrimthemaine ar	nd sulfadoxine
20.	Which sugar is suitable for diabetic patient		
	(a) Fructose (b) Lactose	(c) Mannitol	(d) Sucralose
21.	Headquarter of Bureau of Indian standards is situal	ted at	
	(a) New delhi (b) Mumbai	(c) Kolkata	(d) Chennai
22.	Identity the structure of barbituric acid		
	(a) (b) (c)	ON HOO (d)	S S S S S S S S S S S S S S S S S S S
23.	1 1 2		
	(a) PCI (b) CDSCO	(c) AICTE	(d) WHO
24.	What is the IUPAC name of the following compou	ind	
	(a) Bicyclo[2.2.2] octane	(b) Tricyclo[2.2.2] or	ntane
	(c) Bicyclo[2.2.0] ontane	(d) Bicyclo [2,2,1] he	eptanes

25.	Morphine	does not cause	::				
	(a) Const	riction of pupil		(b)	CNS depression		
	(c) Respi	ratory depress	ion	(d)	Diarrhoea		
26.	Which of t	he following is	seed gum				
	(P) Gaur g	gum		(Q)	Locust bean gum		
	(R) Xanth	an gum		(S)	Gellan gum		
	(a) P and	Q		(b)	R and S		
	(c) Q and	R		(d)	P and S		
27.	The cance	r that derived f	orm ectoderm of endoderm	of ep	pithelial cells is		
	(a) Carcin	ioma	(b) Sarcoma	(c)	Leukaemia	(d)	Myloid
28.	Which of t	he following is	/are marine anticancer				
	(a) Trabe	ctadine		(b)	Eribulin		
	(c) Cytara	bine		(d)	All of the above		
29.	Identity th	e compound w	hich is derived form typtop	han			
	(a) Piloca	rpine	(b) Ephedrine	(c)	Muscarine	(d)	Quinoline
30.	Opium, co	coa, poppy stra	w are given in				
	(a) Sched	ule H					
	(b) Sched	ule X					
	(c) Narco	tic drugs and I	sychotropic substances act	199	8		
	(d) Sched	ule C					
31.	Which of t	he following w	ill be inert in NMR spectroi	netry	7		
	(a) 13C		(b) 31P	(c)	2H	(d)	1H
32.			between keto and enol taut				
		ance forms			Steriosomers		
	(c) Const	ituonal isomer	S	(d)	Different conformation	ns o	f the same compound
33.	Which of t	he following is	following is true for natura	l kilk	er cells		
	(a) They	may phagocyto	se tumor cells				
	(b) Killing	g of cells is enh	anced by interleukin-2				
	(c) They	recognize and l	kill some virus-infected cell	S			
	(d) Killing	g of cells is stim	ulated by prostaglandin E2				
34.	Evaluation	of colour is tal	blets is done by				
	(a) Reflec	tance spectrop	hotometer	(b)	Tristimulus colorimet	er	
	(c) Micro	reflectance pho	otometer	(d)	All of the above		
35.	The disint	egration time o	of the effervescent tablets is				
	(a) 2 min	utes	(b) 2.4 minutes	(c)	3.5 minutes	(d)	5 minutes

36.	Identify the false statements	about magmas:					
	(P) The addition of suspend	ling agents to magmas i	s alw	ays necessary			
	(Q) Magmas differ from gek	s in that their suspended	d par	ticles are larger			
	(R) Magmas are two- phase	systems					
	(S) Magmas basically are ge	ets					
	(a) P and Q (b	o) Q and R	(c)	Only P	(d)	Only S	
37.	All of the following ACE inhi	bitors are prodrugs EX0	СЕРТ				
	(a) Ramipril (b) Lisinopril	(c)	Enalapril	(d)	Perindopril	
38.	All of the following is resista	nt to both true and pse	udo o	cholinesterase enzyme	S		
	(a) Carbachol		(b)	Acetykholine			
	(c) Methacholine		(d)	Pilocarpine			
39.	Globule size of parenteral er	nulsion should be					
	(a) 0.1 to 0.5 μm (b)	o) 0.5-5 μm	(c)	5-10 μm	(d)	Any of the above	
40.	The objective of audit is to						
	(a) Improve the product qu	ality	(b)	Find out the fault			
	(c) Improve the product va	lue	(d) Find and process fault and to improve				
41.	is an alkaloid derived	l form aliphatic amino a	icid				
) Nicotinic acid	(c)	Anabasine	(d)	Vinblastine	
42.	The drug sulphan blue is ob		urce				
	•	o) Animal	(c)	Synthetic	(d)	Mineral	
43.	In mammals, The major fat in	n adipose tissue is: ht	•	www.xamstudy.com			
	(a) Triglyceride			Cholesterol			
	(c) Sphingophospholipids		(d)	Phospholipids			
44.	Dovers powder used as a dia	aphoretic contains:					
	(a) Ipecac & Opium		(b)	Ipecac, Senna & Cinch	iona		
	(c) Opium, Ipecac & Cinchor	na	(d)	All			
45.	Biological active form of Vit.	D in man is:					
	(a) Cholecalciferol		(b)	Calcifediol			
	(c) Calciferol		(d)	Calcitriol			
46.	Actions and clinical uses of r	nuscarinic cholinocepto	r ago	onists include which on	of th	ne following	
	(a) Bronchodilation (asthan	na)					
	(b) Improved aqueous hum	- 1- 1					
	(c) Decreased gastrointesting	,					
	(d) Decreased neuromuscul	ar transmission and rela	xatio	n of skeletal muscle (D	uring	g surgical anesthesia)	

47	Described the selection of the test of the selection of t	,						
47.	. Regarding the role of surfactants in pharmaceutical suspensions for oral administration which of the following statements is false							
	(a) Surfactants decrease the water contact angle of	diene	preed drug particle					
	(b) Surfactants promote flocculation	шэрс	rised diag particie					
	(c) Surfactants with high HLB stabilize oral suspens	sions						
	(d) Surfactants increase the viscosity of the continu			ral cuenoncione				
48.	Which of the following drug is NOT used in treatmer			car suspensions				
10.	(a) Ampicillin		Clarithromycin					
	(c) Mosapride	` '	Bismuth subgallate					
49.	The most suitable disinfectant for decontamination of	. ,		rone is				
17.	(a) 1% Sodium hypochlorite		2% Glutaraldehyde	ope is				
	(c) 5% phenol	` '	70% ethanol					
50.	Which rule does provide the most accurate method			ld based on adult dose				
	(a) Age is months		Age in years					
	(c) Weight in pounds		Body surface area					
51.		()	,					
	(a) Enfuvirtide	(b)	Maraviroc					
	(c) Raltegravir	` '	Atazanavir					
52.	The Franz diffusion cell which is used for the evalua			livery systems consists of:				
	(a) 1 chamber (b) 2 chamber		3 chamber	(d) None				
53.	Whick of the following plastic is transparent and fle	xible						
	(a) Silicon rubber (b) PVP	(c)	HDPED	(d) PE				
54	In which method an order of a fixed number of ite	ms is	s placed every time an	inventory level falls to a				
01.	predetermined point	1115 10	, pacea every time at	i inventory level laib to a				
	(a) A-B-C method	(b)	Maximum and minim	um method				
	(c) Open-to-buy method	, ,	Economic order quan					
55.	Choose the option with two reducing sugars	()		9				
	(a) Lactose and maltose	(b)	Trehalose and surcro	ose				
	(c) Maltose and tredhalose	. ,	Economic order quan					
56.	The Local anesthetic with highest cardiotoxicity is	()	•	•				
	(a) Lingocaine	(b)	Bupivacaine					
	(c) Levo- bupivacaine	(d)	Procaine					
57.	Homatropine is							
	(a) Tropine ester of amino acetic acid	(b)	Tropine ester of men	delic acid				
	(c) Tropine methyl bromide ester of mendelic acid	(d)	Tropine ester of amin	o formic acid				
58.	Tranexamic acid is							
	(a) Antithrombotic (b) Antifibrinolytic	(c)	Fibrinolytic	(d) Styptic				

59.	Which of the antihistaminic compound has antia	drogenic effect
	(a) Famotidine	(b) Ranitidine
	(c) Nizatidine	(d) Cimetidine
60.	Which of the following drug is used prefenntially	as preanesthetic mediation
	(a) Midazolam	(b) Oxazepam
	(c) Alprazolam	(d) Nitrozepam
61.	Proton pump inhibitors are most effective when	given
	(a) Half hour before meak	(b) With meal
	(c) After prolonged fasting	(d) Along with H2 blockers
62.	Match compounds is Group I with inhibitory activ	rities in Group II
	Group I	Group II
	(P) Vancomycin	(1) Folate metabolism
	(Q) Rifampin	(2) DNA synthesis
	(R) Puromycin	(3) Protein synthesis
	(S) Ciprofloxacin	(4) RNA synthesis
		(5) Cell wall systhesis
	(a) P-5, Q-4, R-3, S-2	(b) P-4, Q-3, R-1, S-2
	(c) P-4, Q-1, R-3, S-2	(d) P-5, Q-3, R-2, S-4
63.	Formation of Okazaki occurs in	
	(a) Transcription	(b) Replication
	(c) Translation	(d) Reverse Transcription
64.	Drug used in ventricular arrhythmia is	
	(a) Flecainide	(b) Verapamil
	(c) Esmolol	(d) Diltazem
65.	The lipoprotein with the fastest electrophoretic r	nobility and the lowest TG content is
	(a) VLDL	(b) HDL
	(c) LDL	(d) Chylomicrons
66.	As per schedule 'Y' of the drugs and cosmetics act	, the animal toxicity study requirements for marketing of
	a drug depends upon tentative route and duration	of administration in humans. In This context , which one $% \left(x\right) =\left(x\right) ^{2}$
	of the following statements is incorrect	
	(a) Single dose human use-animal toxicity for 2	weeks in 2 species
	(b) Oral use for 2 weeks in humans- animal tox	city for 4 week in 2 species
	(c) Aerosol use by repeated use in humans- ani	mal toxicity for 24 weeks in 2 species
	(d) Multiple daily ocular application for short du	ration-iregation test in 1 species for 3 weeks
67.		autoclave, the spores of the following organism are used
	as test organisms	(b) Chatridium vefrir
	(a) Bacillus cereus	(b) Clostridium pefringens
	(c) Bacillus stearothemophilus	(d) Clostridium histolyticum

68.	Which of the following pairs is mismatched			
	(a) Aerobic, helical bacteria- gram negative	(b)	Entrics- gram negative	
	(c) Myconbacteria – acid fase	(d)	Pseudomonas -gram pos	itive
69.	List of drugs whose import, manufacture and sale, labe	ling	and packaging are governe	d by special provisions
	are included in schedule:			
	(a) X (b) K	(c)	Н	(d) G
70.	Sigma minus method is used in assessment of			
	(a) Bioavailability	(b)	Absorption	
	(c) Metabolism	(d)	Tissue distribuation	
71.	Which of the plant family contains volatile oil in their	tric	home	
	(a) Rutaceae	(b)	Papaveracease	
	(c) Umbelliferare	(d)	Laminaceae	
72.	Ferritin is:			
	(a) Coenzyme	(b)	The stored form of Iron	
	(c) Non-protein moiety	(d)	Isoenzyme	
73.	Which oil is solute is alcohol			
	(a) Arachis oil	(b)	Sesame oil	
	(c) Castor oil	(d)	Corn oil	
74.	One of the first step of the citric acid cycle is isomeriza	tion	of citric acid to isoctiric acid	l this step is necessary
	because			
	(a) Oxidation of secondary alcohols is very difficult			
	(b) Reduction of secondary alcohol is very impossible	ole		
	(c) Reduction of tertiary alcohols would require a v	ery p	oowerful oxidizing agent	
	(d) Oxidation of tertiary alcohols would require oxid	dizin	g agents	
75.	Which of the following alkyl halides would undergo S	SN2	reaction most rapidly	
	(a) CH ₃ CH ₂ -BR	(b)	$\mathrm{CH_{3}CH_{2}\text{-}CL}$	
	(c) CH ₃ CH ₂ -I	(d)	CH ₃ CH ₂ -F	
76.	Mechanism of action of Ketoconazole is:			
	(a) Inhibits Ergosterol synthesis	(b)	Inhibits DNA gyrase	
	(c) Inhibits dihydropteroate synthetase	(d)	Induces translation misre	ading
77.	All are adrenal gland over activity disorders EXCEPT			
	(a) Addison's disease	(b)	Conn's syndrome	
	(c) Cushing's syndrome	(d)	Cushing's disease	
78.	The oil used in a parenteral product cannot contain.			
	(a) WFI (b) Parffin oil	(c)	Peanut oil (d)	Glycerine
79.	Identity the non-absorbable sature			
	(a) Catgut suture	(b)	Chromic catgut suture	
	(c) Silk suture	(d)	Polydioxanone suture	

80.	The	e relative lowering of v	apour pressure is given by	,			
	(a)	Raoult's law	(b) Henry's law	(c)	Boyle's law	(d)	Charles law
81.	Idei	ntity the functional gro	oup present in meprobama	te			
	` '	Amide	(b) Ester	(c)	Carbamic	(d)	Lactam
82.	Mat	tch the following					
	(P)	Gypsum salt		(1)	$KAI(SO_4)_2 \cdot 12H_2O$		
	(Q)	Epson salt		(2)	FeSO ₄ ·7H ₂ O		
	(R)	Alum		(3)	$CaSO_4 \cdot 2H_2O$		
	(S)	Green vitriol		(4)	$MgSO_4 \cdot 7H_2O$		
	(a)	P-1, Q-2, R-4, S-3		(b)	P-3, Q-4, R-1, S-2		
	(c)	P-4, Q-3, R-1, S-2		(d)	P-2, Q-4, R-1, S-3		
83.	Tin	ea capitis is ringworm	infection of				
	(a)	Feet	(b) Groin	(c)	Head	(d)	Nails
84.	Ran	ık the following compou	ınds is order of increasing re	activ	ity in electrophilic arom	atic	Substitution reactions
	(P)	C_6H_6	(Q) $C_6H_5CH_3$	(R)	$C_6H_5NO_2$		
	(a)	Q <p<r< td=""><td>(b) R<p<q< td=""><td>(c)</td><td>Q<r<p< td=""><td>(d)</td><td>P<q<r< td=""></q<r<></td></r<p<></td></p<q<></td></p<r<>	(b) R <p<q< td=""><td>(c)</td><td>Q<r<p< td=""><td>(d)</td><td>P<q<r< td=""></q<r<></td></r<p<></td></p<q<>	(c)	Q <r<p< td=""><td>(d)</td><td>P<q<r< td=""></q<r<></td></r<p<>	(d)	P <q<r< td=""></q<r<>
85.	Dos	se dumping may be a g	eneral problem in the form	ıulat	ion of:		
	(a)	Soft gelatin capsules		(b)	Suppositories		
	(c)	Modified release drug	g products	(d)	None		
86.	Cod	leine differ in structure	from morphine by:				
	(a)	N-methyl group		(b)	Acetyl group at C1 an	d C6	
	(c)	-OC2H5 group		(d)	-OCH3 group		
87.		topes differ in:					
	. ,	The number of proto	ns	. ,	The valency number		
		The chemical activity		` '	The number of neutro		
88.			increasing order as per th		•		
		Capric	(Q) Caprylic		Caproic	(D)	Lauric
	` '	P <q<r<s< td=""><td></td><td>` '</td><td>R<q<p<s< td=""><td></td><td></td></q<p<s<></td></q<r<s<>		` '	R <q<p<s< td=""><td></td><td></td></q<p<s<>		
	. ,	R <q<p<s< td=""><td></td><td>. ,</td><td>Q<p<r<s< td=""><td></td><td></td></p<r<s<></td></q<p<s<>		. ,	Q <p<r<s< td=""><td></td><td></td></p<r<s<>		
89.			n via conjugate base) whic			ll for	m?
		Carbocation		. ,	Carbanion		
		Free radical		(d)	All		
90.			steps of conventional PCR				
	(a)	Denature, anneal, & S	•	` ′	Denature, anneal & e		
	(c)	Strand displacement,	synthesis & release	(d)	Reverse-Transcription	n, an	neal & extend

91. Rabies bodies are

(a) Negri bodies

- (b) Cowdry type B inclusion bodies
- (c) Cowdry type A inclusion bodies
- (d) Bollinge bodies

92. When glucose reacts with bromine water, the main product is

- (a) Glucaric acid
- (b) Glucoronic acid
- (c) Sorbitols
- (d) Gluconic acid

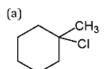
93. Increase in melting temperature of DNA is due to high content of

(a) A+T

(b) G+C

- (c) A+G
- (d) T+G

94. What will be the primary product of the following reaction







95. The mass spectrum of a compound with an approximate MW 137 shows tow equally intense. peaks at m/z 136 and 138. What does the suggest

(a) The compound is alkyl iodide

(b) The compound is alkyl bromide

- (c) The compound is alkyl chloride
- (d) The compound is aryl fluoride

96. Capping in tablets mainly due to:

(a) Less upper punch pressure

(b) Poor flowability of granules

(c) Proper formulation design

(d) Entrapment of air in tablet during compression

97. How can we detect the rhizome from the root of the Rauwolfia?

- (a) By the presence of small central pith
- (b) By the absence of small central pith
- (c) By the presence of vascular bundle
- (d) None

98. Drug of choice to treat H1N1 influenza is

(a) Adefovir

(b) Cidofovir

(c) Oseltamivir

(d) Tenofovir

99. Identify the correct statement

- (P) Condensed tannins are polymers flavans
- (Q) Condensed tannins do not contain sugar redidues
- (R) Hydrolyzabletannis are polymers of gallic acid or ellagic acids
- (S) Gallic acid and catechin are psedotannins
- (a) Only Q

(b) P and Q

(c) P, Q and R

(d) P, Q, R and S

100. Quick breaking aerosols are applicable:

- (a) Orally
- (b) Parenterally
- (c) Topically
- (d) Ophthalmically

101 In the Deimen Tiemenn vegetion	Decete with whomel to give the outher formulated product
(a) Carbene	Reacts with phenol to give the ortho-formylated product (b) Carbocation
(c) Carbanion	(d) Free redical
102. Which of the following in not added to ch	
(a) Gildant	(b) Disintegrant
(c) Lubricant	(d) Anitadhesive
103. Range of C=O stretching in enol is	(u) Amaunesive
(a) 1800 cm ⁻¹	(b) 1710 cm ⁻¹
(c) 1685 cm ⁻¹	(d) 1655 cm ⁻¹
104. Match the following phytochemicals with	
· · ·	Buckwheat and citrus fruits, strengthens capillary walls
	Broccoli and cabbage, protects against bladder cancer
	Purple grape, anti inflammatory, anticancer
	Asparagus, galactogogue
(a) P-4, Q-3, R-2, S-1	(b) P-4, Q-2, R-3, S-1
(c) P-3, Q-1, R-4, S-2	(d) P-2, Q-3, R-4, S-1
105. Which RNA polymerase is the only whos	
(a) RNA polymerase I	(b) RNA polymerase II
(c) RNA polymerase III	(d) RNA pimase
106. Match the scientist awarded with Nobel p	•
(P) Alexander Fleming	(1) GPCR
(Q) Kobilka	(2) β-blocker
(R) Banting	(3) Penicillin
(S) Black	(4) Insulin
(a) P-4, Q-3, R-2, S-1	(b) P-4, Q-2, R-3, S-1
(c) P-3, Q-1, R-4, S-2	(d) P-2, Q-3, R-4, S-1
107. Mean arterial pressure is http://www.xa	amstudy.com
(a) Systolic pressure – Diastolic Pressur	re (b) (Diastolic pressure + Diastolic Prssure)/2
(c) Diastotic alcohol + $(1/3)$ × pulse pre	essure (d) Stroke valume X heart rate
108. Eugenol is	
(a) Monoterpene alcohol	(b) Sesquiterpene alcohol
(c) Aliphatic alcohol	(d) Phenylpropene
109. The Vitamin required for carboxylation o	f pyruvate to form oxaloacetate is
(a) Thiamine (b) Biotin	(c) Pyridoxine (d) Niacin
110. Which of the following circled hydrogen is	s most acidic
(a) O (b) O	
GHÝ H GHÝ OCH.	CH3 CH3 CH3 CH3

111	The	drug formulated as suspension follows	and	an reaction
111.		drug formulated as suspension follows		
	, ,	Zero	, ,	Pseudo Zero
112	. ,	First ch diuretic causes decrease in release of insulin	(u)	Pseudo first
112.			(1.)	Pela amia ama
		Chlorothiazide		Ethacynic zero
440	` '	Triamterene	(a)	Acetazolamide
113.		ch the following drugs with their mode of action		
	. ,	Methotrexate		Mitotic inhibitor
	,	Cyclophosphamide	(2)	
		Vincristine		Alkylating agent
	(S)	Dactinomycin	(4)	Intercalating agent
	(a)	P-4, Q-3, R-2, S-1	(b)	P-2, Q-4, R-1, S-3
	(c)	P-3, Q-1, R-4, S-2	(d)	P-2, Q-3, R-1, S-4
114.	Whi	ch compound would be expected to show intens	e IR	absorption at 3300 cm ⁻¹
	(a)	$CH_3CH_2CH_2CH_3$	(b)	$CH_3CH_2C=CH$
	(c)	CH ₃ C=CCH ₃	(d)	$\mathrm{CH_2CHCH_2CH_3}$
115.	In th	ne carbon NMR, in what region of the spectrum of	does	one typically observe carbons which are part of
	the a	aromatic ring		
	(a)	-10-0 ppm	(b)	40-60 ppm
	(c)	80-100 ppm	(d)	120-150 ppm
116.	Mec	lofenamate belongs to which class of drug		
	(a)	Slicylates	(b)	Oxicams
	(c)	Aryl antaranillic acid	(d)	p-Amino phenols
117.	Mato	ch the following crude with their chemical constit	tuent	ts
	(P)	Aloe	(1)	Hesperidine
	(Q)	Ginger	(2)	Palmitin
	(R)	Lemon peel	(3)	Barbaloin
		Olive oil	(4)	Allin
	(a)	P-4, Q-3, R-2, S-1	(b)	P-3, Q-4, R-2, S-1
		P-3, Q-4, R-1, S-2	' '	P-3, Q-1, R-1, S-4
118.	. ,	amine agonists with tetralene function	, ,	
	-	Ropinorole	(b)	Pirebidil
		Pramipixole	` ,	Rotigotine
119.		IUPAC name of the compound-(CH ₃) ₂ CHCH ₂ Cl:	()	<u> </u>
		2-methyl-3-chloropropane	(b)	1-chloro-3-mehtyl butane
		1-chloropentane	7 .	2-mehtyl-4-chlorobutane
	(-)	z morobename	(4)	- mongri omorobamno

120. A powerful inhibitor of stomatal opening is (a) Auxin (b) Bytokinin (c) Gibberellin (d) Abscisic acid 121. What is the renal clearance of a substance, if its concentration in plasma is 10mg, concentration in urine is 100 mg and urine flow is 2 ml/min (a) 0.02 ml/min (b) 0.2 ml/min (c) 2ml/min (d) 20 ml/min 122. Aim of pharmacovigilance is (a) To monitor drug toxicity (b) To monitor unauthorized drug manufacture (c) To monitor rational use of drugs (d) To check and control drug costs 123. Phase zero studies is a/an (P) Exploratory investigational new drug study (Q) Human microdosingstudies (R) Step to speed up drug discovery/ development process (S) Mandatory by FDA (a) P and Q (b) Q and R (c) P, Q and R (d) P, Q, R and S

124. Parenteral product must be:

(a) Packed in bottle

(b) Sterilized

(c) Free from viable/living organism

(d) Pyrogenic

125. Quinine present in highest amount in:

(a) C. calisaya

(b) C. officinalis

(c) C. ledgeriana

(d) C. succirubra

End of paper

ANSWER KEY GPAT 2014

1-d	2-с	3-b	4-d	5-b	6-b	7-d	8-c	9-b	10-с
11-d	12-d	13-с	14-c	15-b	16-d	17-b	18-b	19-a	20-d
21-a	22-b	23-a	24-a	25-d	26-a	27-a	28-d	29-b	30-b
31-с	32-c	33-с	34-d	35-d	36-c	37-b	38-a	39-a	40-d
41-c	42-c	43-a	44-a	45-d	46-b	47-d	48-c	49-b	50-d
51-b	52-b	53-d	54-d	55-a	56-b	57-b	58-b	59-d	60-a
61-a	62-a	63-b	64-a	65-b	66-d	67-c	68-d	69-a	70-a
71-d	72-b	73-с	74-d	75-c	76-a	77-b	78-b	79-с	80-a
81-c	82-b	83-c	84-a	85-c	86-d	87-d	88-b	89-b	90-b
91-a	92-d	93-d	94-c	95-b	96-d	97-a	98-c	99-d	100-с
101-a	102-b	103-d	104-a	105-b	106-c	107-с	108-d	109-b	110-с
111-a	112-b	113-d	114-b	115-d	116-с	117-с	118-d	119-a	120-d
121-d	122-a	123-с	124-b	125-c					