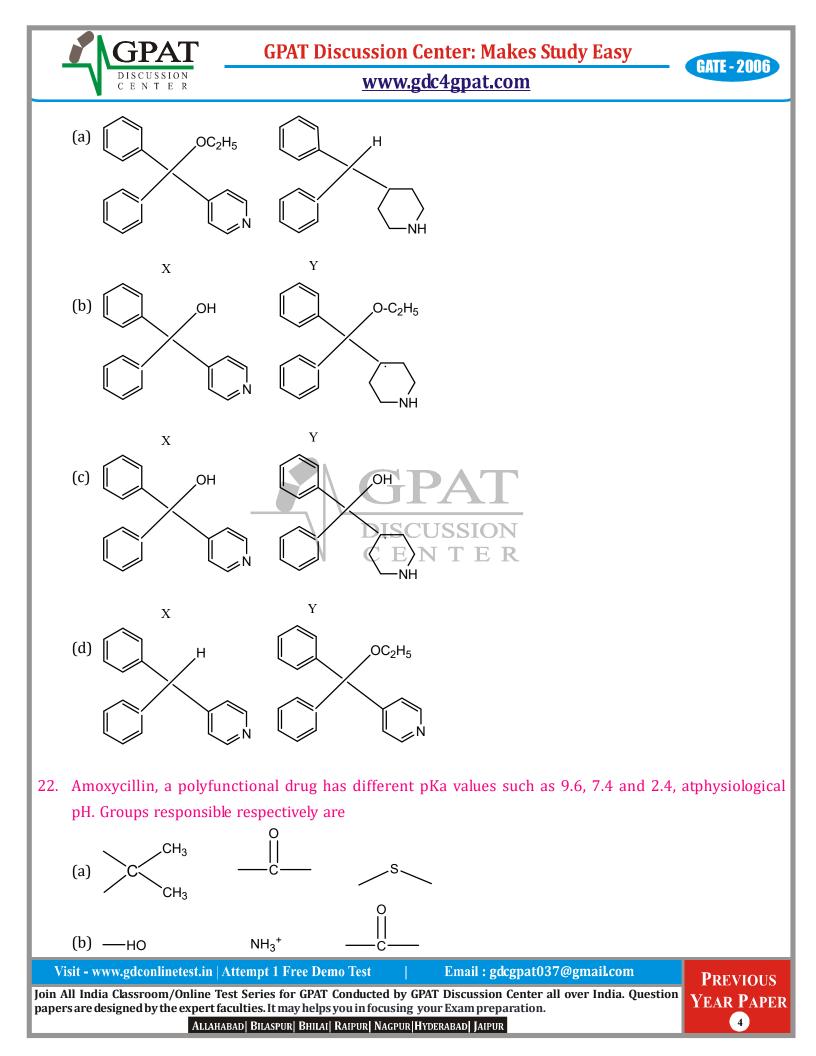


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5.	A mixture of following gases can be used in flame	photometry to get a temperature of 2045°C
	(a) Hydrogen and nitrous oxide	(b) Acetylene and oxygen
	(c) Hydrogen and air	(d) Hydrogen and air
6.	Tesla is a unit to express:	
	(a) Frequency	(b) Pressure
	(c) Voltage	(d) Magnetic field strength
7.	A monochromator is not used in	
	(a) UV spectrophotometer	(b) FT-IT spectrophotometer
	(c) Spectrofluorimeter	(d) IR-spectrometer
8.	The properties of solutions containing surface act range is called as	ive agents change sharply over a narrowconcentration
	(a) Critical micellar concentration	(b) Ionic concentration
	(c) Hydrogen ion concentration	(d) Surface tension
9.	Certain suspensions with a high percentage of disp	ersed solids exhibit a resistance to flow with Increasing
	rates of shear. Such systems actually increase in v	olume when sheared and are termed as:
	(a) Thixotropic (b) Dilatant	(c) Plastic (d) Newtonian
10.	In the process of sugar coating of tablets the color	ants are added in one of the following steps:
	(a) Syrup coating (b) Polishing $C \to E$	N(c) Sub-coating (d) Seal coating
11.	Metered dose inhalers documentation records shall	Il show one of the information in addition to the GMP:
	(a) Portable stirrer	
	(b) Records of rejection during on line check wei	ghing
	(c) Water distillation unit deionizer	
	(d) Electrically operate mixer	
12.	A drug which inhibits mycobacterial RNA polyr	nerase and is very useful in treating Mycobacterium
	aviumcomplex is:	
	(a) Isoniazid (b) Ethionamine	(c) Capreomycin (d) Rifabutin
13.	A 80 years old lady suffering from osteoarthritis	of hip and knee joints is given diclofenac 50 mg thrice
	daily and paracetamol 1 gm asrequire. She compla	ins of passing black stools. This symptom is due to
	(a) Paracetamol causing the black stool	
	(b) Change in food habits	
	(c) Upper gastrointestinal bleeding due to diclofe	nac
	(d) Age related decrease in gastrointestinal motili	ty
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14.	Terazosin, an antihypertensive drug acts b	y:	
	(a) Blocking $\beta$ adrenoreceptors	(b) Blocking $\alpha_1$ adrenoreceptors	
	(c) Diuretic action	(d) Inhibition of ACE	
15.	An imidazole aromatase inhibitor which is	effective in reducing estrogen level is	
	(a) Anastrazole	(b) Exemestane	
	(c) Mitotane	(d) Dexamethasone	
16.	The main constituent in the dried ripe seed	ls of Colchicuin luteum and Colchicum automnale	Linn. is derived
	from		
	(a) Tyrosine, phenylalalnine and dihydrox	yphenylalanine	
	(b) Tryptophan and pryptamine		
	(c) Ornithine		
	(d) Lysine		
17.	Formation of somatic embryos or embryos	genic tissue directly from the explant without th	ne formation of
	an intermediate callus phase is		
	(a) Somatic embryogenic response	(b) Callus formation	
	(c) Direct somatic embryogenesis	(d) Premature germination	
18.	While performing chemomicroscopy of a c	lrug lignified trichomes were observe. Probable	e drug is
	(a) Buchu	C E N(b) Lobelia	
	(c) Nuxvomica	(d) Mint leaves	
19.	A common organism that causes meningit	is belongs to the genus	
	(a) Candida (b) Neisseria	(c) Pseudomonas (d) Clostr	ridium
20.	Bradykinin is		
	(a) A steroidal hormone	(b) A serotonin derivative	
	(c) Anonapeptide	(d) A lipoprotein	
Ι.			
	(Q. 21 - 75) (	CARRY TWO MARK EACH	
21.	Identify the correct combination of the inte	ermediate X and the product Y.	
	0	r	
	MgBr C-O-C₂H₅		
	+ Anhydrous ether X -	→ Y	
	Anhydrous ether		
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	(с) HC—С—	-NH <sub>2</sub> -CH	0    CN	
	(d) CH <sub>3</sub>	o o	.s	
23.			ry properties inhibits the v	oltage dependent calcium channel
	in vascular smooth mu			1 1.
			-nitrophenyl)-3,5- Pyridine	
			-nitrophenyl)-3,5- Pyridine	
			[2-nitrophenyl]-3,5- Pyraz [2-nitrophenyl]-3,5- Pyridi	
24.		n n $\lambda$ = 2d sin $\theta$ , 2 $\theta$ is the		lle cal boxylate
21.			and the refracted beam	
		crystal and the inciden		
		e incident and that of the		
	(d) Two incident bean		ENTER	
25.	The colour which the h	numan eye perceives is		ing to the wavelength of the light
	(a) Reflected	(b) Absorbed	(c) Refracted	(d) Diffracted
26.	During compression of	of moisture critical gra	nules a hygroscopic subst	tance used to maintain a proper
	moisture level is			
	(a) Sorbitol	(b) Tak	(c) Acacia	(d) Tragacanth
27.	The integrated rate eu	ation for a First order r	eaction is	
	(a) $x/a(a-x) = kt$		(b) $\log a/(a-x) = 2$	303/t
	(c) $\log a/(a-x) = kt/2$	.303	(d) x = kt	
28.	Which of the following	; is used as a local anest	hetic in the formulation of	f parenteral products
	(a) Acetic acid		(b) Benzyl alcohol	
	(c) Ethyl alcohol		(d) Sorbitol	
29.		spensions for soft gelati	n encapsulation base adsor	ption of the solid to be Suspended
	is expressed as:			
	(a) The number of gra of solid	ams of liquid base requi	red to produce a capsulabl	e mixture when mixed with 1 gm
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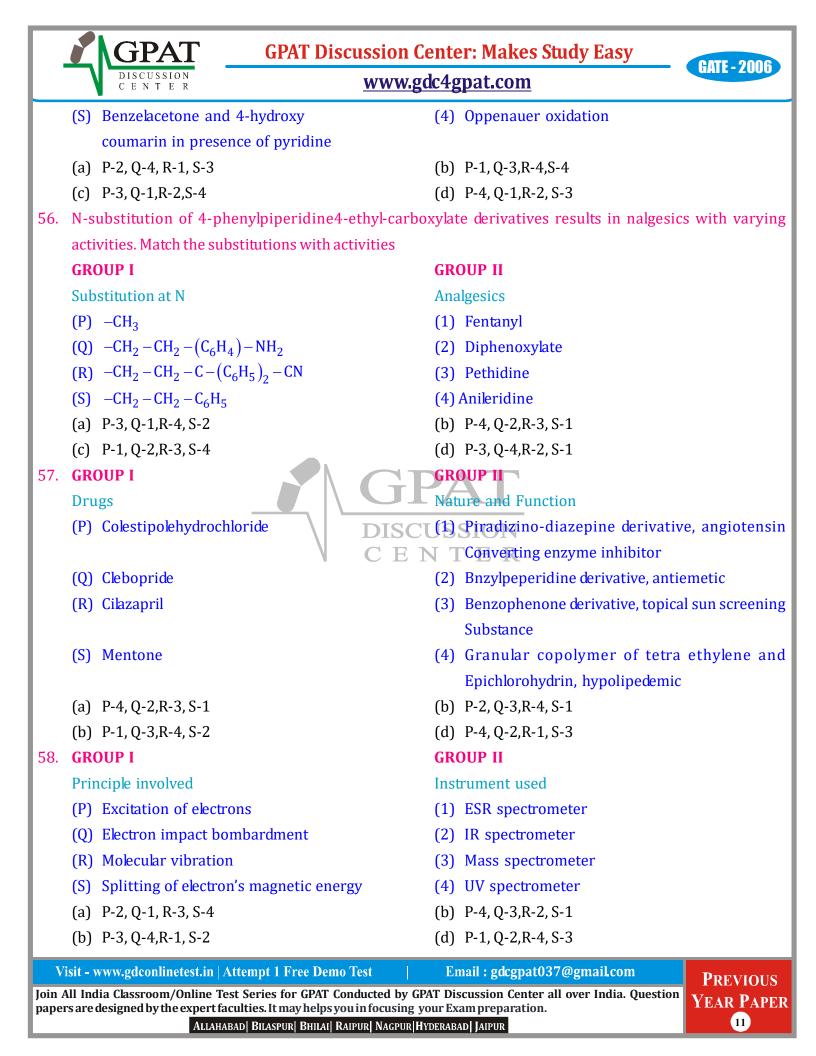
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	(b)	The number of ml of liquid base required to produce a capsulable mixture when mixed with 1 gm of Solid
	(c)	The number of grams of solid base required to produce a capsulable mixture when mixed with 1 gm
		of solid
	(d)	The number of mgs of liuid base required to produce a capsulable mixture when mixed with 10 gms of solid
30.	The	e drug that binds to AT <sub>1</sub> receptor with high affinity is
	(a)	Pinacidil (b) Valsartan (c) Moexipril (d) Ranolazine
31.	A p	erson taking nitroglycerine consumes alcohol. The drug interacts with alcohol and the effect seen is:
	(a)	Severe hypotension and collapse(b) Drowsiness
	(c)	Anticoagulant effect (d) Hypertension
32.	The	e biogenetic origin of methyl substitution at $N_1$ , $N_3$ and $N_7$ in caffeine molecule is:
	(a)	S-adenosyl methionine (b) S-methyl cysteine
	(c)	S-methyl cysteine (d) Adenosyl mono phosphate
33.	In V	WHO guidelines for the herbal drugs, contaminants include
	(a)	Purines and Pyrimidine bases
	(b)	Amino acids DISCUSSION
	(c)	Pentoses <b>V CENTER</b>
	(d)	Pesticidal residues, arsenic heavy metals, microbial load
34.	The	e ratio of lecithin to sphingomyelin in amniotic fluid is measured
	(a)	To obtain neonatal lipid profile
	(b)	To assess fetal maturity and respiratory distress syndrome
	(c)	To obtain age of the fetus
	(d)	As a diagnostic marker for Tay-Sach's disease
35.	Dia	gnostic strips such as Diastrix/Clinistix, used commonly to monitor diabetes, work of which of the
	foll	owing principles:-
	(a)	The strips are coated with glucose oxidase, peroxidase and o-toluidine. Any glucose in the test
		Solution when exposed to the strips, gets oxidixed leading to the release of hydrogen peroxide, the
		latter in turnoxidises to o-toluidine to yield a blue colour
	(b)	The strips are coated with phenolphthalein analogue, which when exposed to acidic glucose solution,
		yield a blue colour
	(c)	The strips are coated with glucose epimerase and thymol blue, which when exposed to glucose,
		epimerize resulting in blue colour
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	(d) The strips are co	ated with leucine synthas	e and ninhydrin. Glucos	e, if any in the test solution gets
	converted into an	nino acids, which in turn 1	eact with ninhydrin to yi	eld its blue colour.
36.	Chemotaxis is a phene	omenon that refers to		
	(a) Directed moveme	ent in response to a chem	cal stimulus	
	(b) Taxonomic classif	ication of biochemical		
	(c) Large in-flux of a	chemical molecule within	bacterial cells	
	(d) Adherence of bac	terial proteins to host cel	ls	
37.	The usefulness of 5-flu	orouracil as an antitumour	agent can be attributed to	o one of the following mechanisms
	(a) It inhibits hypoxa	nthine guanine phophori	bosyltransferase directly	
	(b) It is a prodrug th thymidylate synth	-	ro-2'-deoxy uridylic acid,	which is a suicide substarte for
			faulty transcription an	d translation into non standard
	(c) It gets incorpora Aminoacids	ited into KNA leading to		d translation into non-standard
		into tetrafluorouridylate,	whichinhihitenurin nuch	osido phosphorylaso
38.		l which ahas received ma	•	
50.		pinapthalene derivative fo		
		er, found in rice bran oil	und in cotton seed on	
		uch as hypokalemic induc	SCUSSION ed paralysis	
	(S) Acts as an androg		ENTER	
	Identify the correct sta	-		
	(a) Q, R	(b) P, S	(c) Q, S	(d) P, R
39.				sis results in a product which is
	used as an acetate:		-,	
	(P) Is Mafenide			
	(Q) Is N-sulfanilylacet	amide		
	(R) For Opthalmic inf			
		l benzene sulfonamide an	d not a true sulfonamide	
	Identify the correct st			
	(a) P, S	(b) Q, R	(c) Q, S	(d) P, R
40.	Two of the following	compounds give 3 signal	s in NMR spectroscopy.	Choose the correct Combination
	(P) CH <sub>3</sub> -COOH		(Q) $CH_3$ - $CH_2$ - $NH_2$	
	(R) CH <sub>3</sub> -OH		(S) CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> Cl	
	Identify the correct st	atements:	5 2 2	
	(a) P, Q	(b) Q, S	(c) Q, R	(d) P, R
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41.	Conductance cells for	conductivity measuremen	nts can be made from two c	of the following metals	
	(P) Mercury	(Q) Sodium	(R) Platinum	(S) Stainless steel	
	Identify the correct st	atements:			
	(a) P, R	(b) Q, S	(c) R, S	(d) P, Q	
42.	In aldehydes, the -C=0	) stretch and the –C-H stro	etch are approximately		
	(P) $1725 \text{ cm}^{-1}$	(Q) 1660 cm <sup>-1</sup>	(R) 2750 cm <sup>-1</sup>	(S) 3300 cm <sup>-1</sup>	
	Identify the correct st	atements			
	(a) Q, S	(b) Q, R	(c) P, R	(d) P, S	
43.	Schedule 'C' and Sche	dule 'N' as per the Drugs a	and Cosmetics Act deal wit	h the following	
	(P) Standards for cosmetics				
	(Q) Biological and sp	ecial products			
	(R) Life period of dru	ugs			
	(S) List of minimum	equipments for the efficie	ent running of a pharmacy		
	Identify the correct st	atements:			
	(a) P, Q	(b) Q, S	(c) R, S	(d) P, R	
44.	Abrasive and humect	ant compounds usedin th	e formulation of toothpast	e are	
	(P) Dicakium phosph	nate V C	ΕΝΤΕΚ		
	(Q) Sodium lauryl su	phate			
	(R) Sorbitol syrup				
	(S) Tragacanth				
	Identify the correct st	atements:			
	(a) P,R	(b) Q, S	(c) P, Q	(d) R, S	
45.			sed for depot formulation		
	(P) Dissolution contr	olled	(Q) Encapsulation ty		
	(R) Solubilization		(S) Parenteral susp	pensions	
	Identify the correct st				
	(a) P, Q	(b) Q, R	(c) P, S	(d) P, R	
46.	• • • • •	ransmitter in the brain			
	(P) Is an inhibitory t		(Q) Is an excitatory		
	(R) Increases chlorid		(S) Is antagonized	by Naloxone	
	Identify the correct st				
	(a) P, Q	(b) Q, R	(c) P, R	(d) R, S	
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47.	Atr	aquine when comb	ined wih proguanil				
	<b>(</b> P)	Is highly effective	and well tolerated	(Q)	Is not we	ll tolerated	
	(R)	Antagonism is ob	served	<b>(</b> S <b>)</b>	Resistanc	e is reduced	
	Ide	ntify the correct sta	itements				
	(a)	P, Q	(b) P, S	(c)	R, S	(d) Q, R	
48.	G-C	CSF a myeloid grow	th factor				
	<b>(</b> P)	Exhibits action sir	nilar to that of folic a	cid			
	(Q) Has a remarkable ability to mobilize hemopoietic stem cells						
	(R) Is activated by t-PA						
	<b>(</b> S)	Activates a phago	cytic acivity of matur	e neutrophils	and prolor	ngs their survival of cir	culation
	Ide	ntify the correct sta	itements				
	(a)	Q, S	(b) P, Q	(c)	Q, R	(d) R, S	
49.	Mic	croscopical charact	ers of cardamom are	)			
	(P)			ping the see	d and con	posed of several laye	rs of collapsed
		cells, yellow in col		GP/	$\mathbf{T}$		
	(Q)					carp and mesocarp a	ind containing
		lignifiedreticulate		DISCUS			
			ory canals contain vol				
	(S)	-		ade up of polyg	onal tubul	ar cells. Mesocarp inclu	ides few Brown
		to yellow coloured					
		ntify the correct sta				( N = -	
		Q, R	(b) Q, S		P, S	(d) P, R	
50.		C			U	obtained from Syzygiu	
	(P)			inthium, surm	ounted by	four divergent lobes of	of sepals which
		surround a globu					
	(Q)	_				dermis and the parench	yma containing
			ngly occurring short				1.1
	(K)		-	-	ma at the	apex. Kernel white an	a nollow at the
	(0)		of perisperm and end	•		a hara da sa ta anti-	
	(3)		-	-	-	us hypodermis with re	ctangular stone
	Ida	•	d perisperm containin	ng on gianus, a	ibundant s	farch grains	
		ntify the correct sta			DC		
		Q, R	(b) P, Q		R, S	(d) P, S	
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51.	Two metabolites	that could transiently accumuk	ate as aaresult of inhib	iton of sualene synthase are			
	(P) Dimethylallyl	pyrophosphate	(Q) Cholesterol				
	(R) Fernesylpyro	phosphate	(S) Prednisolon	e			
	Identify the corre	ct statements					
	(a) P, R	(b) P, S	(c) Q, R	(d) P, Q			
52.	Two possible targ	ets against which inhibitors ca	an be designed for use	in diabetes treatment are			
	(P) Carbonic and	iydrase	(Q) Insuin				
	(R) Glycogenpho	sphoryase	(S) Glucose-6-p	hosphatase			
	Identify the corre	ct statements:					
	(a) Q, S	(b) R, S	(c) P, R	(d) Q, R			
53.	Two important advantages of using micro-organisms for bio-transformations in drug synthesis are:						
	(P) Having been produced from micro-organisms, they are certain to have antibacterial properties						
		(Q) They are abundant in nature and hence reduce the processing cost significantly					
	(R) They produce the specific stereoisomer only						
		nly selective and therefore yiel	d products with high p	urity			
	Identify the corre						
	(a) P, Q		SCUGSION	(d) R, S			
54.		s are directly involved in the					
	(P) Aspartate		(Q) Alanine				
	(R) Oleate		(S) 3-phosphog	lycerate			
	Identify the corre						
	(a) Q, S	(b) P, Q	(c) P, R	(d) Q, R			
		(Q. 55-70) ARE M	IATCHING EXERCIS	SES			
55.	GROUP I		<b>GROUP II</b>				
	Reactions		Names				
	(P) p-nitrobenza	dehyde and acetone to	(1) Claisen-Schn	nidt condensation			
	form 1-(4-ni	trophenyl-3-oxo-butene)					
	(Q) Isobutyl bem	zene is treated with	(2) Michael con	densation			
	acetyl chloride and anhydrous AICl <sub>3</sub>						
	(R) Pregnelone acetate is saponified and		(3) Friedel-Craft	s acylation			
	then treated	with an aluminium alcoholate					
	to yie <b>l</b> d prog	esterone					
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59.	GROUP I	GROUP II
	Drug	Reagent for Assay
	(P) Albendazole	(1) Cerric ammonium sulphate
	(Q) Isoniazid	(2) Sodium nitrite
	(R) Sulfacetamide sodium	(3) Per chloric acid
	(S) Paracetamol	(4) Potassium bromate
	(a) P-1, Q-3, R-4, S-2	(b) P-2, Q-4, R-1, S-3
	(c) P-1, Q-2, R-3, S-4	(d) P-3, Q-4,R-2, S-1
60.	GROUP I	GROUP II
	Method adopted	Physical state of sample used
	(P) Gas chromatography	(1) Solution
	(Q) Infra-red	(2) Crystal
	(R) HPLC	(3) Solid, liquid or gas
	(S) X-Ray diffraction	(4) Liquid or gas
	(a) P-1, Q-4, R-3, S-2	(b) P-2, Q-3, R-1, S-4
	(c) P-3, Q-4, R-2, S-1	(d) P-4, Q-3, R-1, S-2
61.	GROUP I	GROUP II
	Film defects	Explanation
	(P) Orange peel effect	(1) Inadequate spreading of the coating solution
		before Drying causes a bumping effect on the
		coating
	(Q) Blistering	(2) It is the result of drying coated tablets in ovens,
		due to too Rapid evaporation of the solvent from
		the core and the Effect of high temperature on
		the film
	(R) Cracking	(3) Occurs due to processing temperature used is
		too high for Aparticular formulation
	(S) Bloom	(4) Occurs if internal stress in the film exceed the
		tensile Strength of the film
	(a) P-1, Q-2, R-4, S-3	(b) P-2, Q-3, R-1, S-4
	(b) P-3, Q-4, R-2, S-1	(d) P-4, Q-1, R-3, S-1
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62.	Group-I (term)	Group-II (example)
	(P) Hydrophilic suppository Base	(1) Nitrocellulose
	(Q) Polymorphism	(2) Titanium dioxide
	(R) Film former used in the Formation of nail lacquer	(3) Cocoa butter
	(S) Opaquant extender	(4) Polyethylene glycol
	(a) P-1, Q-2, R-3, S-4	(b) P-2, Q-1, R-3, S-4
	(c) P-3, Q-4, R-2, S-1	(d) P-4, Q-3, R-1, S-2
63.	Group-I (Drug)	Group-II (Type of action)
	(P) Toremifene	(1) Inhibitor of adrenal and gonada steroidogenesis
	(Q) Flutamide	(2) $\alpha$ -glucosidase inhibitor
	(R) Ketaconazole	(3) Androgen receptor antagonist
	(S) Miglitol	(4) Selective estrogen receptor modulator
	(a) P-2, Q-3, R-1, S-4	(b) P-3, Q-2, R-1, S-4
	(c) P-4, Q-3, R-1, S-1	(d) P-1, Q-4, R-2, S-3
64.	The activities of certain object drugs are increased of combination	ased by certain precipitant drug choose the correc
	Group I	Group II
	Object drug	Precipitant Drugs
	(P) Amines in foods	(1) Allopurinol
	(Q) Alcohol	(2) MAO inhibitor
	(R) Cefoxitin	(3) Disulfiram
	(S) Azathioprine	(4) Probenecid
	(a) P-2, Q-1, R-3, S-4	(b) P-3, Q-3, R-4, S-1
	(c) P-4, Q-1, R-2, S-3	(d) P-4, Q-3, R-1, S-2
65.	Group I	Group II
	Drug	Mechanism
	(P) Amines in foods	(1) Allopurinol
	(Q) Alcohol	(2) MAO inhibitor
	(R) Cefoxitin	(3) Disulfiram
	(S) Azathioprine	(4) Probencid
	(a) P-2, Q-1, R-3, S-4	(b) P-2, Q-3, R-4, S-1
	(c) P-4, Q-1, R-2, S-3	(d) P-4, Q-3, R-1, S-2
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66. Group I		Group II
Plant Hormone Ty	ype	Chemical Substance
(P) Auxin		(1) Absicic acid
(Q) Gibberellin		(2) NAA
(R) Cytokinin		(3) GA3
(S) Growth inhib	itor	(4) 6-furfuryl amine
(a) P-4, Q-3, R-1,	S-2	(b) P-4, Q-3, R-2, S-1
(c) P-3, Q-2, R-1,	S-4	(d) P-2, Q-3, R-4, S-1
67. Group I		Group II
(Crude Drugs)		(Chemical Test)
(P) Etoposide		(1) Add a solution of potassium permanganate and
		warm; yield an odour of benzaldehyde
(Q) Sumatra ben	soin	(2) To an alcoholic solution, add a solution of
		p-dimethylamino Benzaldehyde
(R) Ergot Powar		(3) A solution in HCl acid when treated with
		k-ferriccyanide; Yield and yellow color
(S) Papaverine		SCU(4) Alcoholic solution of the drug is treated with
	V C	E N Tstrong copper Solution; gives a brown pripitate
(a) P-4, Q-1, R-2,	S-3	(b) P-1, Q-2, R-3, S-4
(c) P-4, Q-3, R-1,	S-2	(d) P-3, Q-4, R-2, S-1
68. Group I		Group II
Synonyms of Cru	de drugs	Chemical nature of constituents
(P) Jesuits bark o	or Peruvian bark	(1) Curare alkaloids
(Q) Ma-huang		(2) Tropane alkaloids
(R) Deadly night-	Shade leaf	(3) Quinoline alkaloids
(S) South Americ	can arrow	(4) Phenylethylamine alkaloids
(a) P-3, Q-4, R-2,	S-1	(b) P-1, Q-4, R-2, S-3
(c) P-2, Q-3, R-4,	S-1	(d) P-4, Q-1, R-3, S-2
69. Group I		Group II
Aberrant protein		Disease
(P) Glucose-6-ph	osphate dehydrogenase	(1) Haemolytic anaermia
(Q) Prion		(2) β-Thalassemia
(R) $\beta$ -Submit of l	haemoglobin	(3) Scrapie
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(S) Phenylalanine hyd	roxylase	(4) Phenylketonuria	
(a) P-3, Q-1, R-2, S-4		(b) P-1, Q-3, R-2, S-4	
(c) P-1, Q-4, R-2, S-3		(d) P-2, Q-4, R-3, S-1	
70. Group I		Group II	
Antibiotic		Tesi organism for microbiological	assay I.P.
(P) Gentamicine		(1) Bacillus cereus	
(Q) Tetracyline		(2) Bacillus subtils	
(R) Streptomycine		(3) Micrococcus luteus	
(S) Bacitracine		(4) Staphylococcus epidermis	
(a) P-1, Q-2, R-3, S-4		(b) P-3, Q-1, R-4, S-2	
(c) P-2, Q-3, R-1, S-4		(d) P-4, Q-1, R-2, S-3	
	Common	u data for (Q. 71 - 73)	
All anthracycline antibio	tic doxorubicin, is a	an important anticancer drug	
1. Doxorubicin in isolate	_		
(a) Streptococcus pyo		(b) Staphylococcus aureus	
(c) Clastridium difficil		(d) Streotourvces neucetius varca	iesius
72. Doxorubicin acts by		DISCUSSION	
(a) Inhibiting aspara	vinase	(b) Inhibiting topisemrase II	
(c) Inhibiting adenos		(d) Inhibiting functions of microt	ubules
73. A significant adverse a			
0		se related cardiac toxicity	
(b) Hematuria			
(c) Sedation			
(d) Fluid retention			
	Common	u data for (Q. 74 - 75)	
An antidiabetic drug is 1-		ethoxybenzamido) ethyl]-phenyl]-3-cu;cp	nievulrea
74. The generic name of t			,
(a) Glibenclamide		(b) Gliciazide	
(c) Glipizide		(d) Gliquidone	
	rug is by throtion us	sing a standard solution of	
(a) Sodium nitrite		(b) Iodine	
(c) Potassium perma	nganate	(d) Sodium hydroxide	
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Linked answer Questions: (Q. 76 - 85)

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Statement for linked answer Questions 76 and 77 Imidazole is treated with w-bromo-2, 4 dichloracetophenone. The resulting product on reaction with Na BH <sub>4</sub> gives and intermediate X, X is then treated with NaH followed by 2,4 dichlorobenzyl bromide									
to get an antifungal drug.									
76.	. The intermediate compound X is								
	(a) 1-(2,4 Dicholoro phenyl)-2-(1-imidazolyl)-methanol								
	(b) 1-(2,4 Dicholoro batyl)-2-(2-imidazolyl)-ethanol								
	(c) 1-(2,4 Dicholoro acetophenyl)-2-(1-imidazolyl)-ethanol								
	(d) 1-(2,4 Dicholoro phenyl)-2-(1-imidazolyl)-ethanol								
77.	The antifungal drug obtain	ned is							
	(a) Miconazole		(b) Lanaconazole						
	(c) Sapcrconazole		(d) Butenafine						
State	ement for linked Answer	Ouestion 78 and 790							
			oose the correct base value a	nd increment due to					
	substituent.		USSION						
	The base value (in nm) is		N T E R						
	(a) 215	(b) 210	(c) 217	(d) 205					
79.	The increment due to the								
	(a) 7	(b) 12	(c) 17	(d) 5					
State	ement for linked answer								
		•	ntuation of (00 mg/m) After	20 davia of Storage at					
	e e		ntration of 600 mg/ml . After Id to be 150 mg/ml. The drug						
	ergo zero order kinetics			g cun be abbamea to					
80.	The rate constant is								
	(a) 15 mg/ml/day		(b) 1.5 mg/ml/day						
	(c) 0.15 mg/ml/day		(d) 7.5 mg/ml/day						
81.	Half life of the drug solution	on under these condition is	5						
	(a) 2 days	(b) 20 days	(c) 10 days	(d) 100 days					
State	ement for linked answer	questions 82 and 83							
There are many types of antidepressant drugs and many of them are long acting, while some are short									
acti	ng								
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82. An example of a shor	t acting antidepressant d	lrug is								
(a) Fluoxetine	(b) Valproate	(c) Etorphine	(d) Moclobemide							
83. The drug selected ab	ove, acts by									
(a) Inhibiting MAO-A		(b) Inhibiting Na/5	(b) Inhibiting Na/5HT reuptake							
(c) Blocking 5-HT3 re	eceptors	(d) Inhibiting ACE	(d) Inhibiting ACE							
Statement for linked Ans	wer Questions 84 and 8	35								
Myristica frangrans belongs to the family Myristicacese										
84. A part of the fruit of	Myristica franrans Houtt	is								
(a) Testa	(b) Plumule	(c) Mace	(d) Anther							
		oove, which produces a red								
(a) Myristicin	(b) Safrole	(c) Elimicin	(d) Amylodextrin							
		d of paper								
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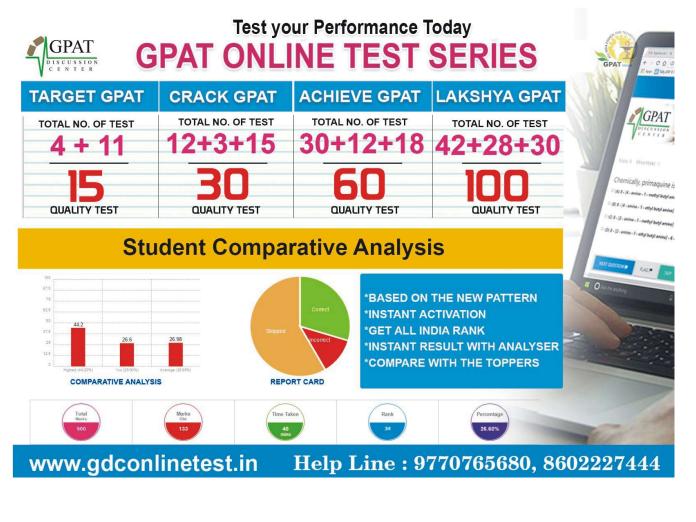


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## ANSWER KEY GATE 2006

1 – d	2 – a	3 – c	4 – d	5 – c	6 – d	
7 – b	8 – a	9 – b	10 – a	11 – b	12 – d	
13 – с	14 – b	15 – a	16 – a	17 – с	18 – c	
19 – b	20 – c	21 - c	22 – b	23 – d	24 – c	
25 – b	26 – a	27 – с	28 – b	29 – a	30 – b	
31 – a	32 – a	33 – d	34 – b	35 – a	36 – a	
37 – b	38 – d	39 – a	40 – b	41 – a	42 – c	
43 – b	44 – a	45 – c	46 – c	47 – b	48 – a	
49 – c	50 – b	51 – a	52 – b	53 – d	54 – b	
55 – b	56 – d	57 – d	58 – b	59 – d	60 – d	
61 – a	62 – d	63 – c	64 – b	65 – a	66 – d	
67 – a	68 – a	69 – b	70 – d	71 – d	72 – b	
73 – a	74 – a	75 – d	76 – d	77 – a	78 – a	
79 – a	80 – a	81 – b	82 – d	83 – a	84 – c	
85 – d	<b>I UFA</b>					

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