	Q.1 The vitamin essential in tissue culture med	ium is
	(A) Pyridoxine (B) Thiamine (C) Nicotin	ic acid (D) Inositol
	Ans. B	
	Q.2 Gingkgo biloba is used for its	
	(A) Expectorant activity(C) PAF antagonistic activity	(B) Lipid lowering activity(D)Antidepressant activity
	Ans. C	
	Q.3 The amount of barbaloin present in <i>Aloe v</i>	era is
	(A) <1% (B) 3.5-4%	(c) 1-1.5% (D) 2-2.5%
	Ans. B	CO'
	Q.4 Sildenafil is used for treatment of one of the	ne following disorders:
1	(A) Systolic hypertension(C) Pulmonary hypertension eclampsia	(B) Unstable angina(D) Hypertension due to
	Ans. C	
1	Q.5 Cardiac glycosides have the following co the steroid nucleus:	nfiguration in the aglycone part of
((A) $5a$, $14a$ - (B) $5a$, 14β -	(C) 5β , $14a$ - (D) 5β , 14β -
	Ans. D	
	Q.6 Quassia wood is adulterated with	
	(A) Brucea antidysentrica(C) Cinnamomum zeylanicum	(B) Cassia angustifoila(D) Cephaelis ipecacuanaha
	Ans. B	
	Q.7 Eugenol is present in	
,	(A) Fennel (B) Tulsi (C) (Cardamom (D) Coriander

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Ans. B		
Q.8 Which one of the following drugs is p Philadelphia chromosome positive patients w		
(A) Pentostatin(C) Imatinib	(B) Methotrexate(D) L-Asparaginase	
Ans. C		
Q.9 Which of the following monoclonal with non-Hodgkin's Lymphoma?	antibodies is prescribed for p	patients
(A) Infliximab (B) Abciximab (C) G	emtuzumab (D) Rituximab	
Ans. D		
Q.10 Identify the drug which is NOT used <i>Plasmodium falciparum</i> :	l in the treatment of malaria caus	sed by
(A.) Artemisinin (B) Primaquine Mefloquine	(C) Quinine (D)	
Ans. B		
Q.ll Which one of the following drugs does receptors?		upled TSH
(A) Epinephrine (B) Insulin Ans. B	(C) Dopamine (D) T	. 5П
Q.12 Which one of the following drugs is of HIV virus from the mother to the foetus?	most effective in preventing tran	smissio
(A) Lamivudine (B) Zidovudine Ribavirin	(C) Indinavir (D))
Ans. B		
Q.13 Improvement of memory in Alzheim which increase transmission in	er's disease is brought about by	drugs
(A) cholinergic receptors(C) GABAergic receptors	(B) dopaminergic recepto(D) adrenergic receptors	rs

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Ans. A	
Q.14 Which of the following non-opioid an (A) Piroxicam (B) Celecoxib	nalgesics is a prodrug? (C)Nabumetone (D) Ketorolac
Ans. C	
Q.15 Which one of the following drugs is N	NOT a typical anti-psychotic agent?
(A) Chlorpromazine(C) Risperidone	(B) Haloperidol(D) Flupentixol
Ans. C	
Q.16 Which one of the followings is a plasm	minogen activator?
(A) Tranexamic acid(C) Aminocaproic acid	(B) Streptokinase(D) None of the above
Ans. B	3
Q.17 Myasthenia gravis is diagnosed with i using	mproved neuromuscular function by
(A) Donepezil (B) Edrophonium	(C) Atropine (D) Pancuronium
Ans. B	
Q.18 Which one of the following drugs sp activated T lymphocytes?	ecifically inhibits calcineurin in the
(A) Daclizumab (B) Prednisone (C) Sir Tacrolimus	olimus (D)
Ans. D	
Q.19 The chemical behaviour of morphine	alkaloid is
(A) acidic (B)Basic (C) neutral (D) an	nphoteric
Ans. B	
Q.20 At physiological pH the following con	mpound would be MOSTLY in the

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- (A) cationic form
- (C) zwitterionic form

- (B) unionized form
- (D) anionic form

Ans. B

- Q.21 Which one of the followings is used as a mood stabilizer for bipolar disorder and also in certain epileptic convulsions?
- (A) Phenytoin

(B) Lithium

(C) Sodium valproate

(D) Fluoxetine

Ans. C

Q.22 An isosteric replacement for carboxylic acid group is

(A) pyrrole

(B) isoxazole

(C) phenol

(D)

tetrazole

Ans.-D

- Q.23 The given antibiotic is an example of ansamycins:
- (A) Roxythromycin (B) Adriamycin (C) Aureomycin (D) Rifamycin

Ans. D

Q.24 For glyburide, all of the following metabolic reactions are logical EXCEPT

(A) O-demethylation

(B) aromatic oxidation

(C) benzylic hydroxylation

(D) amide hydrolysis

Ans. B

- Q.25 The effects observed following systemic administration of levodopa in the treatment of Parkinsonism have been attributed to its catabolism to dopamine. Carbidopa, can markedly increase the proportion of levodopa that crosses the bloodbrain barrier by
- (A) increasing penetration of levodopa through BBB by complexation with it

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_		
 (B) decreasing peripheral metabolism of levol (C) decreasing metabolism of levodopa in the (D) decreasing clearance of levodopa from the Ans. B	e CNS	
0.26 Ed. 1.41 1.11		
Q.26 Ethambutol molecule has		
 (A) two chiral centers and 3 stereoisomers (B) two chiral centers and 4 stereoisomers (C) two chiral centers and 2 stereoisomers (D) one chiral center and 2 stereoisomers 		·· Ons
Ans. B		
Q.27 A compound will be sensitive towards following properties undergo transition on	IR radia	tion only when one of the
(A) Polarizability(C) Dipole moment	(B) (D)	Dielectric constant Refractivity
Ans. C		
Q.28 X-ray crystallographic analysis of an op-	ptically	active compound determines its
(A) Optical rotatory dispersive power(C) Relative configuration	(B) (D)	Absolute configuration Optical purity
Ans. B		
Q.29 Which one of the following statements	is WR (ONG?
 (A) A singlet or triplet state may result when excited to higher energy levels (B) In an excited singlet state, the spin of the paired with the electron in the ground s 	electro	n in the higher energy orbital is
(C) Triplet excited state is more stable than to (D) When the electron from the singlet excited molecule always shows fluorescence phenome	state re	
Ans. C		
Q.30 Aminotransferases usually require the f	followin	g for their activity:

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(A) Niacinamide (B)Vitamin B12(C) Pyridoxal phosphate (D) Thiamine		
Ans. C		
Q.31 Purity of water can be assessed by deter instrumentally:	mining one of its following pro	operties
(A) pH (B) Refractivity Conductivity	(C) Viscosity (D)	
Ans. D		
Q.32 Which one of the following statements i	s WRONG?	
 (A) Carbon NMR is less sensitive than proton (B) 12C nucleus is not magnetically active (C) Both 13C and *H have same spin quantum (D) The gyromagnetic ratio of *H is lesser to 	numbers	
Ans.D	5	
Q.33 In the TCA cycle, at which of the follow incorporation of elements of water into an inter-		e :
(A) Citrate synthase(C) Maleate dehydrogenase	(B) Aconitase(D) Succinyl Co-A syntha	ase
Ans. C		
Q-34 Which website first Providing GPAT-201	0 paper with answer key	
(A) Gpatindia.com(B) Gpatindia.com(C) Gpatindia.com(D) Gpatindia.comAns. Have fun (all)		
Q.34 Humectants added in cosmetic preparati	ons generally act by	
(A) hydrogen bond formation(C) complex formation	(B) covalent bond formation(D) the action of London formation	
Ans. A		

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Q.35 In the mixing of thymol and menthol occurs :	the fo	llowing type of incompatibility
(A) Chemical incompatibility(C) Physical incompatibility	(B) (D)	1 1
Ans. C		
Q.36 Bloom strength is used to check the quali	ity of	
(A) Lactose(C) Hardness of tablets		Ampoules (D)Gelatin
Ans. D		110
Q.37 The characteristic of non-linear pharmace	okineti	cs include :
 (A) Area under the curve is proportional to the (B) Elimination half-life remains constant, (C) Area under the curve is not proportional to the (D) Amount of drug excreted through remains 	he dose	
Ans. C		
Q.38 In the Drugs and Cosmetics Act and Rule (A) Schedule M (B) Schedule C		Schedule relating to GMP is chedule Y (D) Schedule H
Ans. A		
Q.39 Thioglycolic acid-like compounds have cosmetic formulations:	applica	ations in following type of
(A) Depilatory preparations(C) Vanishing creams	(B) (D)	Epilatory preparations Skin tan preparations
Ans. A		
Q.40 Which one of the following is a flocculat drug?	ing age	ent for a negatively charged
(A) Aluminium chloride	(B)	Bentonite
(C) Tragacanth	(D)	Sodium biphosphate

Ans. A	
Q.41 The healing agent used in hand of	ereams is
(A) soft paraffin	(B) urea
(C) bees wax	(D) stearyl alcohol
Ans. A	
Q.42 Measurement of inulin renal clea	arance is a measure for
(A) Effective renal blood flow(C) Active renal secretion	(B) Renal drug excretion rate(D) Glomerular filtration rate
Ans. D	
Q.43 Highly branched three dimension with all bonds originating from a central	nal macromolecules with controlled structure core are known as
(A) cyclodextrins (B) dextrans (C)	dendrimers (D) liposomes
Ans.)
Q.44 Which one of the following is t formulation of freeze dried low dose dru	he commonly used bulking agent in the ag products?
(A) Sodium chloride	(B) Mannitol
(C) Starch	(D) HPMC
Ans. B	
Q.45 The applicability of Noyes-Whit	ney equation is to describe
(A) First order kinetics	(B) Zero order kinetics
(C) Mixed order kinetics	(D)Dissolution rate
Ans. D	
Q.46 Which filler can NOT be used a containing basic drugs to avoid discolor	For the preparation of tablets for amine ation of the tablets?
(A) Dicalcium phosphate	(B) Microcrystalline cellulose
(C) Starch	(D) Lactose

Ans. D The ability of human eye using illuminated area to detect a particle is limited to (A) 0.4 micron (B) 25 micron (C) 50 micron (D) 10 micron Q.48 What quantities of 95 % v/v and 45 % v/v alcohols are to be mixed to make 800 mL of 65 % v/v alcohol? (A) 480 mL of 95 % and 320 mL of 45 % alcohol (B) 320 mL of 95 % and 480 mL of 45 % alcohol (C) 440 mL of 95 % and 360 mL of 45 % alcohol (D)360 mL of 95 % and 440 mL of 45 % alcohol Ans. B The role of borax in cold creams is (A) anti-microbial agent (B) to provide fine particles to polish skin (C) *in-situ* emulsifier (D) antioxidant Ans. A Choose the right combination: (A) Quinine', antimalarial, isoquinoline alkaloid (B) Reserpine, -antihypertensive, indole alkaloid (C) Quantitative microscopy, stomatal number, myrrh (D) Palmitic acid, salicylic acid, fatty acids Ans. B 0.51Triterpenoids are active constituents of (A) Jaborandi (B) Rhubarb (C) Stramonium (D) Brahmi Ans.D Q.52 Alkaloids are **NOT** precipitated by

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(A) Mayer's reagent (B) Dragendroff Reagent	
(C) Picric acid (D) Millon's reagent	
Ans. D	
Q.53 Anisocytic stomata are present in (A) Senna (B) Digitalis (C) Belladonna (D) Coca	
Ans. C	
Q.54 Bacopa monnieri plant belongs to the family	
(A)Scrophulariacea (B) Leguminosae (C) Polygalaceae (D) Rubiaceae	
Ans. A	
Q.55 Tropane alkaloids are NOT present in	
(A) Datura stramonium	
(B) Erythroxylum coca	
(C) Duboisia myoporoides	
(D) Lobelia inflata	
Ans. D	
Q.56 Guggul lipids are obtained from	
(A) Commiphora molmol	
(B) Boswellia serrata	
(C) Commiphora wightii	
(D) Commiphora abyssinica	
Ans. C	
Q.57 An example of N-glycoside is	
(A) Adenosine	
(B) Sinigrin (C) Rhein-8-glucoside	
(D) Aloin	
Ans. A	

Q.58 One mg of Lycopodium spores used in quantitative microscopy contains an average of (A) 94,000 spores (B) 92,000 spores (C) 90,000 spores (D) 91,000 spores Ans. A Q.59 Select the corree: combination of drugs for the treatment of patients suffering from Hepatitis C: (A) Interferon with Ribavirin (B) Interferon with Zidovudine (C) Interferon with Stavudine (D) Interferon with Lamivudine Ans. B Q.60 Aliskiren acts by (A) inhibiting the conversion of Angiotensin I to II (B) inhibiting the pinding of Angiotensin II to the receptor (D) inhibiting the action of aldosterone Ans. B Q.61 Digitalis toxicity is enhanced by co-administration of (A) Potassium (B) Quinidine (C) Diuretics (D) Antaci Ans. B & C Q.62 The rate limiting step in cholesterol biosynthesis is one of the followings: (A) I.DIreceptor concentration (B) VI.DI. secretion (C) Mevalonic acid formation (D) Co-enzyme A formation Ans. C Q.63 Which one of the following drugs is withdrawn from the market due to torsade depointes? (A) Chlorpromazine (B) Astemizole (C) Haloperidol (D) Domperidone Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans (C) Herpes zoster virus (D) Hepatitis B virus										
Ans. A Q.59 Select the correc: combination of drugs for the treatment of patients suffering from Hepatitis C: (A) Interferon with Ribavirin (B) Interferon with Zidovudine (C) Interferon with Stavudine (D) Interferon with Lamivudine Ans. B Q.60 Aliskiren acts by (A) inhibiting the conversion of Angiotensin I to II (B) inhibiting the release of rennin (C) inhibiting the binding of Angiotensin II to the receptor (D) inhibiting the action of aldosterone Ans. B Q.61 Digitalis toxicity is enhanced by co-administration of (A) Potassium (B) Quinidine (C) Diuretics (D) Antaci Ans. B & C Q.62 The rate limiting step in cholesterol biosynthesis is one of the followings: (A) LDL-receptor concentration (B) VLDL secretion (C) Mevalonic acid formation (D) Co-enzyme A formation Ans. C Q.63 Which one of the following drugs is withdrawn from the market due to torsade depointes? (A) Chlorpromazine (B) Astemizole (C) Haloperidol (D) Domperidone Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans	-	_	Lycop	oodium spores use	d in q	uantitat	ive micr	oscop	y contain	s an
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Ans. B & C Q.62 The rate limiting step in cholesterol biosynthesis is one of the followings: (A) LDL-receptor concentration (C) Mevalonic acid formation (D) Co-enzyme A formation Ans. C Q.63 Which one of the following drugs is withdrawn from the market due to torsade depointes? (A) Chlorpromazine (B) Astemizole (C) Haloperidol (D) Domperidone Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans	Q.61	Digitalis toxi	city is	enhanced by co-a	admin	istratior	n of			
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(C) Mevalonic acid formation Ans. C Q.63 Which one of the following drugs is withdrawn from the market due to torsade depointes? (A) Chlorpromazine (B) Astemizole (C) Haloperidol (D) Domperidone Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans	Q.62	Γhe rate limiti	ing ste	ep in cholesterol b	iosynt	thesis is	one of t	he fol	lowings :	
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pointes? (A) Chlorpromazine (B) Astemizole (C) Haloperidol (D) Domperidone Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans	Ans. C									
(C) Haloperidol Ans. B Q.64 Ganciclovir is mainly used for the treatment of infection caused by (A) Cytomegalovirus (B) Candida albicans	-		the fo	ollowing drugs is v	withdr	awn fro	om the m	arket	due to to	rsade de
(A) Cytomegalovirus (B) Candida albicans	(C)	, <u>.</u>		,			` /			
	Q.64 C	Sanciclovir is	mainl	y used for the trea	itment	of infe	ection cau	ised b	у	
	` /			ıs		- (

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An	s. A &	: C		
Q.	65 I	dentify the one rational combination wh	ich has clir	nical benefit :
	` ′	Norfloxacin – Metronidazole Cisapride – Omeprazole	,	3) Alprazolam - Paracetamol D)Amoxycillin - Clavulanic acid
Ans.	D			
Q.6		tevens Johnson sjmdrome is the most cone following category of drugs:	ommon adv	erse effect associated with one
		Sulphonamides Penicillins	(B) (D)	Macrolides Tetracyclines
Ans.	A			
Q.6	7 Aı	mitryptyline is synthesized from the foll	owing start	ting material :
	(A) (C)	Phthalic anhydride Phthalamic acid		Terephthalic acid Phthalimide
Ans. E	3			
Q.68		common structural feature amongst the siturates, succinimides and hydantoins is	_	gories of anticonvulsant drugs
	(A)	ureide	(B)	imidazolidinone
	(C)	dihydropyrimidine	(D)	tetrahydropyrimidine
Ans. A	A			
Q.69	Nico	tinic action of acetylcholine is blocked l	by the drug	5
	(A)	Atropine	(B)	Carvedilol
	(C)	Neostigmine	(D)	d-Tubocurarine
Ans. D)			
Q.70	Cher	nical nomenclature of procaine is		

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Ans. A & D Barbiturates with substitution at the following position possess acceptable hypnotic Q.71 activity: (A) 1,3-Disubstitution (B) 5,5-Disubstitution (C) 1,5-Disubstitution (D) 3,3-Disubstitution Ans. B Selective serotonin reuptake inhibitor is O.72(C) Fluoxetin (D)Naphazoline (A) Imipramine (B) Iproniazide Ans. C Proton pump inhibitors like omeprazole and lansoprazole contain the following ring Q.73 system: (A) Pyrimidine (B)Benzimidazole (C) Benzothiazole (D) Oxindole Ans. B Q.74 A metabolite obtained from Aspergillus terreus that can bind very tightly to HMG CoA reductase enzyme is (B) Cerivastatin (A) Fluvastatin (C) Lovastatin (D) Somatostatin Ans. C Cyclophosphamide as anticancer agent acts as 0.75(A) alkylating agent before metabolism (B)alkylating agent after metabolism (C) phosphorylating agent after metabolism (D) DNA intercalating agent Ans. B Artemisinin contains the following group in its structure: (A) an endoperoxide (B) an exoperoxide (D) an acid hydrazide (C) an epoxide Ans. A O.77 Indicate the HPLC detector that is most sensitive to change in temperature :

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	(A) PDA detector(C) Electrochemical detector	(B) Refractive Index detector(D) Fluorescence detector
	Ans. B	
Q.78	One of the following statements is NOT true :	
	 (A) Accuracy expresses the correctness of me (B) Precision represents reproducibility of me (C) High degree of precision implies high de (D) High degree of accuracy implies high de 	easurement egree of accuracy also
	Ans. C	
Q.79	In thiazides following substituent is essential for	diuretic activity:
		Methyl group at position 2Hydrophobic group at position 3
	Ans. C	5
Q.80	Streptomycin can NOT be given orally for treat (A) it gets degraded in the GIT (C) it causes metallic taste in the mouth	ment of tuberculosis because (B) it causes severe diarrhoea (D) it is not absorbed from the GIT
	Ans. D	
Q.81 wavel	In organic molecules, fluorescence seldom resulengths lower than	ts from absorption of UV radiation of
	(A) 350 nm (B) 200 nm	(C) 300 nm (D) 250 nm
	Ans. A	
Q.82	Glass transition temperature is detected through	
	(A) X-Ray diffractometery	(B) Solution calorimetery
	(C) Differential scanning calorimetery	(D) Thermogravimetric analysis
Q.83 increa	Ans. C In Gas-Liquid Chromatography, some of the sar se their	mples need to be derivatized in order to
	(A) volatility	(B) solubility
	(C)thermal conductivity	(D) polarizability
	Ans. D	

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Q.84	Oxidative phosphorylation involves	
	(A) Electron transport system	
	(B) Substrate level phosphorylation	
	(C) Reaction catalyzed by succinic thiokin	ase in TCA cycle
	(D) None of the above	
	Ans. A	
Q.85	Coulter counter is used in determination of	
	(A) particle surface area	(B) particle size
	(C) particle volume	(D) all of A, B, C
	(/ 1	
	Ans. D	
Q.86	Drugs following one compartment open mod	el pharmacokinetics eliminate
	(A) bi-exponentially	(B) tri-exponentially
	(C) non-exponentially	(D) mono-exponentially
	Ans. D	
	Alis. D	(Z)
Q.87	The temperature condition for storage of drug	g products under cold temperature is
given	as:	
	(A) temperature between 8°C and 25°C	(B) temperature below 2 ^o C
	(C) temperature at 0°C	(D) temperature between 2°C and S [:] C
	Ang D	
	Ans. D	
Q.88	Many xenobiotics are oxidized by cytochron	me P ₄₅₀ in order to
	(A) increase their biological activity	
	(B) increase their disposition in lipophilic	compartments of the body
	(C) increase their aqueous	
	solubility	
	(D) all of the above	
	Ans. D	
Q.89	The following protein/polypeptide has a qua	ternary structure :
=	(A) cc-Chymotrypsin	(B) Hemoglobin
	(C) Insulin	(D) Myoglobin
	(C) mount	(2) 111,08100111
	Ans.B	

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Q.90	Drugs in suspensions and semi-solid form	nulations always degrade by	
	(A) first order kinetics(C) zero order kinetics	(B)second order kinetics(D) non-linear kinetics	
	Ans. C		
Q.91	In nail polish, following polymer is used	as a film-former:	
	(A) Nitrocellulose(C) Hydroxypropyl methylcellulose	(B) Polylactic acid(D) Cellulose acetate phthala	ate
	Ans. A	(0)	
Q.92	Rabies vaccine (living) is prepared using (A) Sheep blood (C) Horse plasma	(B) Mice lymph(D) Fertile eggs	
	Ans. <u>D</u>		
dose)	A drug (200 mg dose) administered in table showed AUG of 100 and 200 microgram be drug through oral administration is:		
	(A) 125% (B) 250 %	(C) 12.5% (D) 1	.25%
	Ans.C		
Q.94	Geriatric population should be included i	n the following Phase of clinical trials	
	(A) Phase I (B) Phase II Ans. B	(C) Phase III (D) P	hase
Q.95	Class 100 area is referred to		
	(A) Manufacturing area(C) Clean room	(B) Aseptic area(D) Ware house	
Q.96 l	Ans. B How many mL of a 1:500 w/v stock solut w/v solution?	on should be used to make 5 liters of 1	:2000
	(A) 750 mL (B) 1000 mL	(c) 1250 mL (D) 1500 mL	
	Ans. C		

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of a drug having half life of 1.386 hr and Vd of 5 L. The dose required in release product will be (A) 600 mg (B) 300 mg (C) 30 mg (D) 60 Ans. B Q.99 Which one of the following is NOT an ex-officio member of Pharmacy Coulondia? (A) The Director General of Health Services (B) The Director of Central Drugs Laboratory (C) The Drugs Controller General of India (D) The Director of Pharmacopoeia Laboratory Ans. D Q.100 In which of the following techniques the sample is kept below triple point? (A) Lyophilization (B) Spray drying (C) Spray congealing (D) Centrifugation Ans. A If you feel there is any correction. Please mail us on info@gpatindia.com with refer Book or others.	release product will be (A) 600 mg (B) 300 mg (C) 30 mg (D) 60 Ans. B Q.99 Which one of the following is NOT an ex-officio member of Pharmacy Co India? (A) The Director General of Health Services (B) The Director of Central Drugs Laboratory (C) The Drugs Controller General of India (D) The Director of Pharmacopoeia Laboratory Ans. D Q.100 In which of the following techniques the sample is kept below triple points (A) Lyophilization (B) Spray drying (C) Spray congealing (D) Centrifugation
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