COLLEGEDUNIA

Post Graduate Admission Test

1.	The plasma t _{1/2} of Insulin	n is					
	A. 5-9 min B. 10-15	5 min C. 1-2 min	D. 20-30 m	in			
2.	The chemical nature of Thyrotropin Releasing Hormone (TRH) is						
	A. Tripeptide	B. Peptide (41AAs)	C. Decapep	tide	D. Unknown		
3.	Penicillamine is chemica	ally					
	A. Diethyl cysteine B. Dimethyl cysteine						
	C. Diethylene triamine	e penta acetic acid	D. :	Salicylic acid	l derivative		
4.	Cyclosporine is a cyclic p	polypeptide with 11	amino acids, ob	tained from			
	A. Bacterium	B. Virus C. F	Plants D.	Fungus			
5.	Which group of antibiotics is used as luminal amoebicide						
	A. Tetracyclines B. Macrolides C. Beta lactams D. Aminoglycosides						
6.	Dopamine, an adrenergic drug is classified as						
	A. Cardiac stimulant	B. Bronchodilator	C. Pressor a	agent	D. CNS stimulant		
7.	The enzyme which conv	erts KALLIDIN to BR.	ADYKININ, in the	e cycle of ge	neration and degra	adation of plasma	
	kinins, is						
	A. Kininase I	B. Kininase II	C. Amino-p	eptidase	D. Trypsin		
8.	Chemically, Prostagland	lins may be consider	ed to be derivat	ives of			
	A. Salicylic acid	B. Prostanoic acid	C. Benzoic	acid	D. None		
9.	The alkaloids present in	an average cup of to	ea are				
	A. Caffeine	В. С	Caffeine and the	obromine			
	C. Caffeine and theophy	/lline D. 7	Theobromine				
10.	The stable isotope of lo	dine is					
	A. ¹²⁷ I B. ⁹⁰ I	C. ¹¹³ I D. ⁶⁵ I					
11.	Corticosterone +CHO at	: 18 is the structure o	of				
	A. Prednisolone	B. Hydrocortisone	C. Cortison	e	D. Aldosterone		
12.	Spermatogenesis takes						
	A. 25 days	B. 30 days	C. 45 days		D. 64 days		
13.	Fanconi syndrome is asssciated with						
	A. Lower phosphate leve	el B. Higher pl	hosphate level				
C. Lower calcium level D. Higher calcium level							
14.	Second gas effect is sign	nificant for					
	A. Ether	B. Halothane	C. Nitrous	oxide	D. Desflurane		
15.	Disulfiram inhibits the enzyme						
	A. Alcohol dehydrogena		Aldehyde dehydi	rogenase			
	C. Both A and B		None				
16.	Toxic effects of methan	• ,					
	A. Formic acid	B. Folic acid	C. Nitric aci	id	D. None		
17.	Clozapine do not have						
	A. Sedative effect	B. Hypotensive effe	ct C. Antieme	etic effect	D. None		
18.	Gold salts are used for which disease						
	A. Rheumatoid arthriti			C. Hyperten			
19.	The ventricles are dilate				-	quantity of blood in	
	A. Systolic dysfunction B. Diastolic dysfunction C. Both A and B D. None						
20.	Which antihypertensive	_			5.5		
	A. Cantonril	B. Losartan	(Diltiazen	า	D. Furosemide		

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	A.	Dried full grown female insects, enclosing young larvae of Coccus cacti.							
	B.	Dried full grown male insects, enclosing young larvae of Coccus cacti.							
	C.	Dried full grown female insects of <i>Coccus cacti</i> .							
	D.	Dried full grown male	e insects of <i>Coccus cact</i>	i.					
22.	The	e following glycosidic o	drug is used as rat poiso	on					
	A.	Rhubarb B	3. Red squill	C. Indian squill	D. European squ	uill			
23.	Lav	vson which has antifur	ngal properties is extra	cted from					
	A.	Kalmegh B	3. Henna	C. Chirata	D. Gentian				
24.	The	ne following reagent is used to test the presence of volatile oils							
	A.	Mayer's reagent B. Sudan III C. Acetone D. Tincture Iodine							
25.	The	adulterant added to	balsam of tolu is						
	A.	Benzoin B	3. Colophony	C. Exhausted balsam of	tolu	D. All			
26.	. The enzyme found from the glandular layer of fresh stomach of hog, <i>Sus scrofa</i> is								
	A.	Diastase B	3. Pepsin	C. Rennin	D. Pancreatin				
27.	Scle	erotium stage occurs i	n the life cycle of which	n alkaloid					
	A.	Ergot B	3. Ephedra	C. Kurchi	D. Aconite				
28.	8. Vasaka contains which group of alkaloids								
	A.	Tropane B	3. Imidazole	C. Purine	D. Quinazoline				
29.	29. Withania root is the synonym for which drug								
	A.	Veratrum B	3. Ashwagandha	C. Colchicum	D. Cinchona				
30.	The	e surface sterilization of	of explants is done with	1					
A. Sodium hypochlorite B. Bromine water C. Silver nitrate D. All									
31.	. Phosphorescence is								
				ndergo transition from to	•	-			
				ndergo transition from to	•				
				ndergo transition from to	•	=			
				ndergo transition from d					
32.		Mass spectrometry, conversion of neutral molecule to positive charged one is done by							
		Electromagnetic radia		ron bombardment					
		Magnetic radiation		red radiation					
33.		olication of mass spect		0.5		D 411			
2.4			cructure elucidation B. Detection of impurities C. Drug metabolism studies D. All						
34.			oint of inflection in the		ard Budt				
25		· ·	3. Residual current	C. Decomposition poter	itiai D. Haif-	wave potential			
35.		everse phase chromat	- , ,	ia man malan					
	_	Stationary phase is polar and mobile phase is non-polar							
	в. С.	Stationary phase is non-polar and mobile phase is polarStationary phase and mobile phase are both polar							
		None of above	mobile phase are both	i polai					
26									
50.		value is:	coluto/Distance travel	lad by calvant front					
	_	A. Distance travelled by solute/Distance travelled by solvent front B. Distance travelled by solvent front/Distance travelled by solvent							
	В. С.	Distance travelled by solvent front/Distance travelled by solute Log(Distance travelled by solute/Distance travelled by solvent front)							
		•		avelled by solvent front,					

									Aglasem Ad
COI		EGEDUN The Indicators as ear	IIA .						
	37.								
		A. pH indicators	B. pM ind		•	indicato		None	
	38.	pH=pKa+ log[(ionized		-	•				
		A. Acidic compound		•			•		
	39.	The Noyes-Whitney	-	_			= [DA(Cs-C),	/hV]. Here	"h" is:
		A. The diffusion coe	efficient	B. Vo	olume of n	nedia			
		C. Concentration of drug D. Thickness of the diffusion layer at the solid-liquid interface							
	40.	Breakdown of tablet	into smaller	particles or	granules i	s known	as		
		A. Dissolution	B. Disinte	egration	C. Solu	bilizatio	n D.	Diffusion	
	41.	The polymer which is	s of cationic	nature is					
		A. Sodium alginate	B. Pectin		C. Gela	ntin	D.	Chitosan.	
	42.	The polymer which is	s used for en	teric coating	g is				
		A. Pectin	B. Hydro	xy propyl me	ethyl cellu	lose	C. Shellac	D. Cl	nitosan
	43.	Effervescent tablets	are used for						
		A. Floating drug de	livery E	3. Colon targ	eting	C. Dela	ayed release	delivery	D. None
	44.	Emulsions can be dil	uted with						
		A. Internal phase	Е	B. External pl	hase	C. Both	n A and B		D. None
	45.	Water-soluble bases prepared from natural gums or from synthetic derivatives of natural substances is called							
		A. Pastes	B. Gels	_	C. Jelli	-		Ointments	
	46.	Gasket of aerosol ass	sembly is ma	nufactured f	from				
		A. Nylon	B. Polyet		C. Delr	in	D.	Buna-N ar	nd neoprene rubber
	47.	The quality control o	•	•					•
		A. Leaker test	B. Clarity			gen test	t D.	All	
	48.	The water attack tes	•		•	_			
		A. Type I	B. Type II		C. Typ		D.	Type NP	
	49				• • •				anging its chemical
		The reaction in which an optically active substance loses its optical activity without changing its chemical composition is called							
		A. Photolysis	B. Racem	ization	C. Che	lation	D	None	
	50	Accelerated stability						110116	
	50.	A. 40°C/75% RH	B. 25°C/6			C/65% RI	н р	60°C	
	51	The release kinetic n	· ·						•
	J1.	A. Zero order	B. First o			n A and E		None	•
	52	When the thickness				i A and i	υ.	NOTIC	
	32.	A. Decreases	B. Increa	•	C. No	offoct	D	None	
	E 2	Microparticles can b		ses	C. NO	enect	D.	None	
	55.	•					D	Compress	ad into tablets
		A. Delivered in caps		ilo colvente	for naron	toral dali		•	ed into tablets
	г 1	C. Dissolved or dispersed in sterile solvents for parenteral delivery D. All Rotary die process is used for the manufacture of							
	54.						C Tablete		Name
		A. Hard gelatin cap		3. Soft gelatii	•		C. Tablets	D.	. None
	55.	The mill which works	· ·	-		-	_	5 II .''	
		A. Cutter mill	B. Hamm	er mill	C. Roll	er mill	D.	Ball mill	

56. Standards for ophthalmic preparations are mentioned in

A. Schedule M1

A. Chapter I

B. Schedule FF

B. Chapter II

C. Schedule Y

C. Chapter III

57. Import of drugs and cosmetics is mentioned in which chapter of the Drugs and Cosmetics Act, 1940

D. Schedule G

D. Chapter IV

Aglasem Admission

COLLEGE DUNIA utilizes inorganic material is called

A. Autotroph B. Heterotroph C. Halophile D. Aerobe

59. The optimum pH for growth of bacteria is

A. 1-2 B. 2-4 C. 5-6 D. 7.2-7.6

60. Pure water, by definition has water activity value "Aw" of

A. 1.00 B. 10.00 C.100.00 D. 0.7

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Answers: SET-I

1. A; 2. A; 3. B; 4. D; 5. A; 6. C; 7. C; 8. B; 9. C; 10. A; 11. D; 12. D; 13. A; 14. C; 15. B; 16. A; 17. C; 18. A; 19. A; 20. D; 21. A; 22. B; 23. B; 24. B; 25. D; 26. B; 27. A; 28. D; 29. B; 30. D; 31. A; 32. B; 33. D; 34. D; 35. B; 36. A; 37. B; 38. A; 39. D; 40. B; 41. D; 42. C; 43. A; 44. B; 45. C; 46. D; 47. D; 48. B; 49. B; 50. A 51. A; 52. A; 53. D; 54. B; 55. D; 56. B; 57. C; 58. A; 59. D; 60. A.