MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY BATHINDA (Pb) - 151001

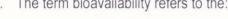
(State Univ. Estb by Punjab Govt. Act No. 5 (2015) and Approved u/s 2(f) & 12(B) of the UGC Act of 1956)



Discipline: PHARMACY (Faculty of Pharmacy)

3rd PhD ENTRANCE TEST (PET-2018)

	1	Roll No:	Date: 3 rd June 20	O18 Signature of the Ca	andidate	
1.						
	Va	0.2	(b) 0.002	(c) 0.4	(d) 1.25	
2.	Benza	alkonium chloride is a	germicidal surfactant whi	ich is rendered inactive in	the presence of:	
	(a	a) Organic acid	(b) Cationic surfactant	(c) Soaps	(d) Inorganic salts	
3.	Lamir	nation is:			1	
	(k			nct layers d bottom crowns of a tab	let from the main body	
4.	Which mediu		ation for testing the solu	ubility of an enteric coate	ed capsule in alkaline	
	(t) Sodium bicarbonat	e + Potassium hydroxide e + Sodium tauroglycoch e + Pancreatin + Sodium e + Bilirubin	olate + Papain	.VIV)	
5.	Water attack test is used to identify the alkalinity in:					
	(a) Type I glass	(b) Type II glass	(c) Type III glass	(d) All the 3 types	
6.	Tynda	allisaton means:				
	(t	Successive heating Successive heating		and incubation		
7.	The te	erm bioavailability refe	ers to the:			



- (a) Relationship between the physical and chemical properties of a drug and the systemic absorption of the drug
- (b) Measurement of the rate and amount of therapeutically active drug that reaches the systemic circulation
 - (c) Movement of drug into the body tissues over time
 - (d) Dissolution of a drug in the gastrointestinal tract



8.	Which two of the following types of techniques are used for depot formulation? P. Dissolution controlled Q. Encapsulation type R. Solubilization S. Parenteral suspension				
	(a) P, Q	(b) Q, R	Ver P, S	(d) P, R	
9.	How much water is to be 5000 solution?	e added to convert 50 ml o	f 1 in 2000 solution of a	atropine sulphate into 1 in	
	(a) 30 ml	(b) 45 ml	(c) 50 ml	(d) 75 ml	
10.	2. Separation of a colloidal rich layer from a lyophillic solmon addition of another substance is termed asThis is used extensively in microencapsulation:				
	(a) Coacervation	(b) Phase separation	(c) Emulsification	(d) Salting out	
11.	In WHO guidelines for th	e herbal drugs, contamina	nts include:	1	
	(a) Purine and Pyrimidine based (b) Amino acid (c) Pentoses (d) Pesticidal residues, arsenic heavy metal, microbial load				
12.	2. Glycyrrhizin, a sweet principle of liquorice is:				
	(a) K and Mg salts of glycyrrhicinic acid (b) Na and Mg salts of glycyrrhetinic acid (d) Na and Ca salts of glycyrrhetinic acid				
13.	. Senna leaf IP consists of:				
	(a) Dried leaflets of Cassia acutifolia and Cassia angustifolia (b) Dried leaflets of Cassia indica (c) Dried leaflets of Cassia carpinifolia (d) Dried leaflets of Cassia carpinifolia and Cassia acutifolia				
14.	Precursor for the biosynt	hesis of tropane alkaloids i	S: 2		
	(a) Leucine	(b) Lysine	(e) Ornithine	(d) Tyrosine	
15.	Vincristine and Vinblastin	ne act by:			
	Binding with protein tubulin and arrest at metaphase (b) Inhibition the protein synthesis (c) Act as antimetabolite (d) Inhibiting the enzyme system				
16.	16. Leaves of Digitalis purpurea gives which of the following test positive?				
	(a) Borntrager's test	(b) Murexide test	Legal's test	(d) Thalleoquin test	
17.	17. Which is the right reagent for identification of Ergot alkaloids?				
	(a) Van Urk (b) Fe	chling I and II (c) Iron-III-c	holride (d)Phloroglu	ucinol in hydrochloric acid	
	n			13/0	

18.	Eugenol is present in:					
	(a) Fennel	(b) Tulsi	(c) Cardamom	(d) Coriander		
19.	Alkaloids are not precipitated by:					
	(a) Mayer's reagent(c) Picric acid		Dragendorff reagent Millon's reagent			
20.	Which of the following con	h of the following constituents is reported to have anti-hepatotoxic activity?				
	(a) Podophyllotoxin	(b) Linalool ⁷	(c) Andrographoloid	(a) Safranal		
21.	Wave number of a spectro	photometer is:				
	(a) Per second	(b) Per centimeter	(c) Per inch	(d) Per centimeters ³		
22.	In NMR spectrometery, the	e chemical shift (δ) is ex	xpressed in:			
	Parts per million	(b) Gauss	(c) Tesla	(d) Hrtz		
23.	The presence of unpaired	electron in metal ion co	mplex meant for spectral	analysis is called:		
	(a) Paramagnetic	(b) Diamagnetic	(c) Bimagnetic	(d) Unimagnetic		
24.	Quaternary structure of a p	protein molecule refers	to:			
	Specific association of two or more copies of pilypeptide chain to result in a biologically active molecule (b) Regularly seen local structures within a polypeptide chain (c) The portion of polypeptide chain that comes into contact with another protein molecule (d) The portion of the structure that gets stabilized upon binding to nucleic acids					
25.	5. Clavulanic acid has a beta-lactum ring fused to					
	(a) Thienyl system(c) Thiazolidine syste		Thiadiazole system Oxazolidine system			
26.	S. Sulphonamide tragedy was due to its combination with					
	(a) Penicillin	(b) Streptomycin	Diethyl glycol	(d) Bicarbonate		
27.	27. Pheniramine maleate is an antihistaminic agent belonging to the class:					
	(a) Ethylenediamine derivative (b) Cyclic basic class analogs (c) Aminoallyl ether analogs (d) None of the above					
28.	28. Sedative action of barbiturate is due to substituents at C ₅ . It is due to					
	(c) High lipophilicity of (c) Steric effect	f groups at C ₅ positions	(b) Electronic (d) Metal che	withdrawing effect		
29. Pregnenolone, an intermediate in the syntehesis of steroids, on Oppeneur oxidation gives:						
Progesterone (b) 9α- Flurocortisol (c) Triamcinolone (d) α- Methyl prednisolone						

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30. Lidocaine is synthesized fr	Lidocaine is synthesized from:				
(a) 2,6-dimethyl-5-am 2,6-xylidene	ino methyl benzene	(b) 2,6-dimethyl-5-nt (d) 2-methyl-6-ethyl-	ro methyl benzene 5-amino methyl benzene		
31. Which one of the following phenomena?	Which one of the following types of adverse drug reactions is not believed to be dose related phenomena?				
(a) Side effects and to (c) Side effects and h		(b) Toxic reactions a			
32. The mechanism of action of	The mechanism of action of Rifampicin involves				
(a) Inhibition of bacteria	al DNA-directed RNA-polym synthesis		of mycolic acid synthesis of transpeptidase		
33. Purpose of a combined dru	3. Purpose of a combined drug regimen in tuberculosis is to				
(c) Delay the emerger	nce of drug resistance et of therapy		ion of active therapy so effect on the patient		
34. HIV infection can be clinical	ally controlled with:		4		
(a) Cyrarabine	(b) Acyclovir	(c) Zidovudine	(d) Amantadine		
35. The characteristic toxicity of			2018		
(a) Kidney damage	(b) Liver damage 🕠	Cardiotoxicity (d)	Pulmonary librosis		
36. A cardio-selective beta blo	. A cardio-selective beta blocker with vasodilating properties is				
(a) Pindolol	(b) Atenolol	(c) Bisoprolol	(d) Nebivolol		
37. In congestive cardiac failur	re, digitalis glycosides are	e used because it increa	ases		
(a) The heart rate(c) The venous press	*	ne force of myocardial c ne cardiac filling pressur			
	Parkinsonism is a common neurological movement disorder. Signs include rigidity of skeletal muscles, akinesia, flat faces and tremors at rest. Both L-DOPA and Carbidopa are used because				
	(a) It crosses blood brain barrier (c) It inhibits MAO type A (d) It inhibits MAO type B				
39. Select the specific unwant	Select the specific unwanted effect of L-DOPA.				
(a) Dementia	(b) Hypertension	(e) Dyskinesia	(d) Excitotoxicity		
40. Pharmacodynamics is defi	ned as				
(a) The effect the bod			liver on drug molecules f a drug around the body		