Department of Pharmacy Quaid.i.Azam University Islamabad

Quaid.i.Azam University Islamabad Sample Test, PhD Admission

Read each question carefully, for each question, there is ONE answer, circle the appropriate answer for each question.

b) Undergo photochemical reactions d) Contain a double bond 8) Which of the following techniques would be most useful to identify and quantify the presence of a known impurity in a drug substance? a) NMR b) MS c) IR d) HPLC 9) To increase the viscosity of liquid, which of the following agents are used a. a) PVP b) Methyl Cellulose c) Sodium Carboxy Methyl d Cellulose e) All the above 10) The antimicrobial action of the cephalosporins can best be explained on the basis of a) Competitive antagonism of purine precursors c) inhibition of protein synthesis b) Stimulation of nucleic acid production d) inhibition of cell wall synthesis 11) Which route of administration would provide the most rapid onset of pharmacological response to morphine? a) Oral subcutaneous b) intravenous c) rectal d) intramuscular 12) Which of the following methods generally used for studying solid forms? a) DSC b) XRD c) TGA d) All the above 13) In cell membrane the hydrocarbon chains for hydrophilic phase and the polar heads form hydrophobic phase a. a) True b) False 14) The cell membrane is a) Impermeable b) Semipermeable c) Permeable d) Permeable to only gases 15) Which one of these does not come under a physicochemical property of drug? a) Drug solubility b) Disintegration time c) Dissolution rate d)Drug stability 16) Any changes in fraction bioavailable, elimination half-life indicates nonlinearity of that particular drug. a) True b) False 17) An example of lubricants will be a) PVP b)Carbowaxes c)CMC d) Tetracycline 18) Viscous fluids and oils are administered in hard gelatin capsules. a) True b)False 19) Which of the following histamine receptor increases the release of gastric acid? a) H1 receptor b) H2 receptor c) H3 receptor d) H4 receptor										
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,	,	a)True b)False								

21)	act as	a carrier of basic and	l neutrally charg	ed lipophilic co	ompounds.				
	a)Albumin	b) α-globulin	c)ß	-globulin	d)Lipo-g	lobulin			
22)	Like dissolves like	best described the _	:						
	a)Conversion of re	actants to products	b)Lab safety preca	nutions c)Conc	ept of solubility	d)Empirical form	nulas		
23)	Which componen	t of a research public	ation is written a	t the end?					
	a)	a)Abstract	b)Introduction	c)Me	ethodology d)R	desearch and discus	ssion		
24)	Journal that follo	w peer review and po	ossess impact fact	tor are placed	in catego	ory by HEC.			
	a) W	b)X	c)Y	d)Z					
25)	Which of the follo	wing is more helpful	to search scienti	fic literature in	n medical field				
	a) Google	b)Wikipedia	c)Google Sch		l)PubMed				
26)	The following soft	tware are used to ma	nage bibliograph	y except:					
	a)Endnote	b)Mendeley	c)SPSS	d)Al	l of these				
27)	Which of the follo	wing condition MUS	T be met to be co	onsidered resul	lts significantly	different:			
	a) p<0.5	b)p<0.05	c)p>0.5		d)p>0.05				
28)		indings, as obtained		described in _	section	1:			
	a)I ntroduction	,	c)Discussion	<i>'</i>	onclusion				
29)		se drug delivery syste	_		_				
	, in the second of the second	Zero order	b)First order c)Pseudo first o	rder d)Sec	cond order			
30)	is example	_							
	ŕ	ration Assay b)Metab	•	• ,	•	d)All of the above			
31)		of the links between		-					
	a) Disulfide bond	b)H bond			d)Electrostatic				
32)		ation of bioavailabili	ty by dissolution	rate is not the	best way to dete	rmine therapeuti	c efficacy.		
	a)True b) False								
33)		electrical driving of cl	<u> </u>						
	a)Sonophoresis	b)Iontophoresi	· ·		d)Electro	•			
34)		wing is preferable if	_	_			"?		
	a)Form a prod	, ,	on of drug c)Ap	ply ultrasound	d)Use a micr	oneedle array			
35)	Rheology is define	•		107 . 0 . 1 1	•				
20		Flow properties c)Co	-	•					
36)		f-life of a drug (first				500 /I			
25)	a)		b)2.303/k	c)Log/k	,	593/k			
37)		wing equation is use							
20)	•	ten equation b)Hixon	-	*	•	uation d)Arrheni	us-equation		
38)		ving enzyme joins the				1/1 1 1			
20)	a)	a)ligase	b)protease	c)lipa		d)hydrolase			
39)		owing is useful to STI				Dumified outies			
40)	a)An adjuvan	, -		c)Antiserum	d)I	Purified antigen			
40)		ot a neurotransmitter		on one in a	٠ ١	lahalin-			
	a)cyclic AMP	b)noradrenalir	ie c)0	opamine	ajacety	lcholine			