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DHANALAKSHMI SRINIVASAN COLLEGE OF ARTS & SCIENCE FOR WOMEN (AUTONOMOUS)



(For Candidates admitted from 2018-2019 onwards)

UG DEGREE EXAMINATIONS APRIL – 2021

B.SC - BIOCHEMISTRY								
PHARMACEUTICAL BIOCHEMISTRY								
	Time: 3 Hrs				Max.Mar	ks: 75		
		I	PART – A					
СНО	OSE THE CORRECT	ANSWER.				(10*1=10)		
1.	Drugs converted to su	itable form are know	vn as					
	a) Excipient	b) Source of	drugs	c) Dosag	ge form	d) API		
2.	The rate of drug bioav	vailability is most rap	oid when the	drug is formu	lated as a			
	a) controlled-release					d) Solution		
3.	가 보고 보다 가는 사람이 있는 사람들이 되고 있다면 가지 않는 사람들이 되었다. 그 사람들은 사람들이 되었다면 하는데 보고 있다면 하는데 되었다면 하는데 되었다.							
	a) Rate of blood flow to tissue		b) Glomerular filtration rate (GFR)					
	c) Stomach emptying		d) Affinity of the drug for tissue					
4.	Majority of drugs cross biological membranes primarily by							
	a) Weakly basic drugs b) Weakly acidic drugs							
	c) Strong electrolytes			d) Nonpolar drugs				
5.	A drug that binds to a cell receptor and causes a response is called?							
	a) Agonist	b) Antagonist	c) Recepto		d) membr	ane protein		
6.	Pharaceutical factors				d) memor	ane protein		
	a) Formulation type	b) Bioavailability	c) Bioequi		۵) ۸۱	1 411		
7.	Which one of the following					I the above		
	a) Oxidation	b) Reduction						
8.			c) Acetyla			I the above		
	Pharmacodynamics to a) number							
9.		b) Affinity	c) Function		d) Al	I the above		
9.	Which of the following are not correct on the basis of clinical trials?							
	a) Biomedical research		b) :	b) Behavioural research studies				
	c) Studies on human	subjects	d) Study based only on animals.					

- 10. With regard to clinical trials of new drugs, which of the following is most correct?
 - a) Phase I involves the study of a small number of normal volunteers by highly trained clinical pharmacologists
 - b) Phase II involves the use of the new drug in a large number of patiests (100-5000) who have the disease to be treated
 - c) Phase III involves the determination of the drug's therapeutic index by the cautious induction of toxicity
 - d) Chemical antagonist

PART-B

ANSWER ALL THE QUESTIONS

(5*7=35)

11. a) Explain the concept of bioavailability of drugs.

(OR)

- b) Write a short note on synergism and antagonism.
- 12. a) How drug is distributed in the body?

(OR)

- b) What are the factors influencing drug absorption?
- 13. a) Explain the concept of drug receptor interaction.

(OR)

- b) Write a short note on placebo effect.
- 14. a) Write a short note on acute poisoning.

(OR)

- b) Give a short note on drug tolerance and drug intolerance
- 15. a) How random screening is done during drug discovery?

(OR)

b) What are the rational approaches in drug designing?

PART-C

ANSWER ANY THREE QUESTIONS

(3*10=30)

- 16. Write in detail about the routes of drug administration
- 17. Explain the concept of drug elimination.
- 18. What are the phase I metabolic reactions?
- 19. Drugs has adverse effects. Discuss.
- 20. Outline the concept of drug development.