SLR-TV - 7

Seat	
No.	

Set P

B.Pharm. (Semester – II) (New CBCS) Examination, 2018 BIOCHEMISTRY

BIOCITEI	<i>/</i> 113	ini	
Day and Date : Wednesday, 12-12-2018 Time : 2.30 p.m. to 5.30 p.m.			Max. Marks : 75
1. Multiple Choice Questions.			(20×1=20)
1) Edman's reagent contains			
a) Phenylisothiocyanate	b)	1-Fluoro-2, 4-dinitro	benzene
c) Urea	d)	Dansyl chloride	
2) An aromatic amino acid is			
a) lysine	b)	arginine	
c) phenylalanine	d)	histidine	
3) Key and lock hypothesis of enzyme	act	ion was given by	
a) Fischer	b)	Koshland	
c) Buchner	d)	Kuhne	
4) Guanine is			
a) 6-Amino purine	b)	2-Amino-6-oxypurine	е
c) 2-0xy-4-aminopyrimidine	d)	2, 4-Dioxypyrimidine)
5) Kerasin consists of			
a) Nervonic acid		Lignoceric acid	
c) Cervonic acid		Clupanodonic acid	
6) Higher alcohol present in waxes is			
a) Benzyl b) Methyl	c)	Ethyl d) C	etyl
7) Hydrolysis of fats by alkali is called			
a) Saponification number	b)	Saponification	
c) Both (a) and (b)	d)	None of these	



8)	Cori cycle is				
	a) Synthesis of glucose	b) Reuse of glucose			
	c) Uptake of glycose	d) Both (a) and (b)			
9)	Stereo isomers which are not mirror	images of each other are called			
	a) isomers	b) stereoisomers			
	c) diastereomer	d) enantiomers			
10)	Inter-conversion of α to β form of glu	conversion of α to β form of glucose is called as			
	a) inversion	b) tautomerism			
	c) muta-rotation	d) racemization			
11)) Reducing property of sugars is attributed to presence of group.				
	a) free aldehydic	b) free aldehydic or ketonic			
	c) ketonic	d) aromatic			
12)	Which of the following is essential fa	atty acid?			
	a) Arachidonic acid	b) Lenoleic acid			
	c) Lenolenic acid	d) All of the above			
13)	absorbed by 100 grams of fat is called				
	a) Kilograms	b) Milligrams			
	c) Grams	d) Micrograms			
14)	The no. of ATP produced when 2 mole TCA cycle	ecule of acetyl-CoA is oxidized through			
	a) 24 b) 38	c) 12 d) 36			
15)	Example of enzyme specificity				
7	a) Stereo specificity	b) Reaction specificity			
	c) Substrate specificity	d) All of these			
16)	An enzyme which is secreted resecretion.	eady for action is called			
	a) Zymase	b) Zymogen			
	c) Intracellular	d) Extracellular			

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	17)	Solid alcohol from bile is also known as				
		a) Cholesterol	b)	Ergosterol		
		c) Lanosterol	d)	Endosterol		
	18)	Phospholipids prevent formation of	hospholipids prevent formation of fatty liver hence they are called as			
		a) eicosanoids	b)	lipotropic factor		
		c) fat factor	d)	fat prevention factor		
	19)	Histamine is formed from histidine b	d from histidine by			
		a) Deamination	b)	Dehydrogenation		
		c) Decarboxylation	d)	Carboxylation		
	20)	lodine number denotes				
		a) Degree of unsaturation	b)	Saponification number		
		c) Acid number	d)	Acetyl number		
2.	Lon	g answers (Answer 2 out of 3).	X	(2×10	=20)	
	1)	Describe β -oxidation of fatty acid. C	alcı	ulate net ATP yield.		
	Explain in detail TCA cycle with energetics. Add note on its amphibolic nature.					
	3)	What are the different levels at which	h p	roteins structure is studied?		
3.	3. Short answers (Answer 7 out of 9). (7×5			i=35)		
	1)	1) Give structure and functions of mucopolysaccharides.				
	2) Explain the terms acid value and saponification value.					
	3)	What are epimers? Write note on a	nor	ners and optical rotation.		
	4)	Write note on fatty acids. Give detai	ils o	f EFA.		
	5) Describe Watson and Crick model of DNA structure.					
	6)	What are high energy compounds?	Gi	ve the examples.		
	7)	Explain structure and biosynthesis of cholesterol.				
	8)	Discuss Sanger's and Edman's reactions.				
	9)) Write in details about inhibitors of enzymatic action.				