	SUB.CODE: 18UMB2A3								
REG.NO:									



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



(For Candidates admitted from 2020 - 2021 onwards)

UG DEGREE EXAMINATIONS APRIL - 2021 B.Sc - MICROBIOLOGY BIOCHEMISTRY-II

Time: 3 Hrs Max.Marks: 75

PART - A

		IAKI - I				
C	HOOSE THE CORRECT	ANSWER		(10X1=10)		
1.	Chromatography is a physic	Chromatography is a physical method that is used to separate and analyse?				
	a) Simple mixture b) Complex mixture	c) Viscous mixture	d) Metals		
2.	Chromatography which type of stationary phase held in a narrow tube and the mobile phase is forced					
	through it under pressure?					
	a) Column chromatography	1	b) Paper chromatography			
	c) Liquid chromatography		d) Gas chromatography			
3.	When the electrophoresis is	s not used?				
a) Separation of protein		b) Separation of amino acid				
	c) Separation of lipids		d) Separation of nucleic aci	d		
4.	What cannot be a reason fo	r using electrophoresis?				
	a) Comparing two sets of D	NA	b) Organizing DNA by sha	pe of back bone		
	c) Organizing DNA fragmen	nts from largest to smallest	d) Organizing DNA in orde	r we can see		
5.	What is highest redox poter	ntial?				
	a) NAD	b) FMN	c) FAD	d) O ₂		
6.	6. Which is the enzyme involved in the pathway of synthesis of acetyl-coA?					
	a) Hexokinase b	p) Pyruvate decarboxylase	c) Pyruvate dehydragenase	d) Pyruvate kinase		
7.	. The controls of normal brea	athing process?				
	a) Amino acid		b) Cholesterol			
	c) Ventral respiratory group	p	d) Dorsal respiratory group			
8.	. What is a serum in the bloc	od?				
	a) Liquid portion of blood		b) Plasma minus fibrinogen			
	c) Tissue fluid with in lymp	phatic vessel	d) Formed elements and pla	ısma		

9. Which of the following	g minerals belong to the ph	nosphate group?	
a) Pyrite (FeS ₂)		b) Halite (NaCI)	
c) Calcite (CaCO ₃)		d) Apatite (Ca5 (PO ₄)) F, CL, OH))
10. Which of the following	vitamin is also known as	cobalamine?	
a) Vitamin B11	b) Vitamin B12	c) Vitamin B6	d) Vitamin B2
	PA	RT - B	
ANSWER ALL THE QU	ESTIONS		(5X7=35)
11. a) Explain the paper cl	hromatography.		
		(OR)	
b) Discuss about gas li	iquid chromatography.		
12. a) Write a brief note of	n PAGE.		
		(OR)	
b) Discuss the gel elec	trophoresis.		
13. a) Write a short note o	n redox potential.		
		(OR)	
b) Explain the oxidative	ve phosphorylation.		
14. a) Give on account on	mechanism of blood coag	ulation.	
		(OR)	
b) Write in detail abou	at transport and exchange of	of gases.	
15. a) Discuss the iron in h	numan metabolic processe	s.	
		(OR)	
b) Explain the role of	vitamin A.		
	DAI	RT - C	
ANSWER ANY THREE		MI-C	(2V10-20)
	n exchange chromatograph	ıv	(3X10=30)
17. Explain the isoelectric			
18. Describe the structure			
19. Discuss the anti coagu			
	nction and deficiency of vi	tamin D	
	and deficiency of vi	III D.	