Q.P. Code: 137005	Reg. No

## First Professional B.S.M.S Degree Regular Examinations August 2023

	(SIDUG-UV	/) – Uyir Vedhiyi	yal (Bio Chemistry)	
Time:	3 hrs	(2021 Sch	eme)	Max. Marks: 100
•	Answer all questions to the po answers • Indicate the ques Answer all parts of a single que Draw table/diagrams/flow cha	stion number correctly lestion together • Lea	ofor the answer in the margin ve sufficient space between	n space answers
1. <b>M</b> u	ultiple Choice Questions			(20x1=20)
	nswers to MCQ questions (C g sheets (ie Page No. 3 & 4) (		hall be written continuous	ly on the first two
i.	Which out of the following i	s a fructosan		
	a) Glycogen	b) Agar	c) Inulin	d) Cellulose
ii.	Group of adjacent nucleotic	des are joined by		
	a) Phosophodiester bond		b) Peptide bond	
	c) Ionic bond		d) Covalent bond	
iii.	Thioredoxin coenzyme for			
	a) Ribonucleotide reductas	е	b) Transketolase	
	c) Thiokinase		d) Pyruvate carboxylase	
ίV.	Which one of Vitamin A fur	nctions as a steroid l	hormone	
	a) Retinal	b) Retinol	c) Provitamin A	d) ß - Carotene
٧.	Total amino acid present in	n adult hemoglobin		
	a) 372 amino acids		b) 464 amino acids	
	c) 574 amino acids		d) 570 amino acids	
۷İ.	Ubiquinone transfer its elec	ctrons to		
	a) Complex I		b) Complex III	
	c) Matrix		d) Cytochrome C	
vii.	Normal plasma lactic acid i	S		
	a) 4 - 15 mg / dl		b) 6 - 20 mg / dl	
	c) 10 - 20 mg / dl		d) 20 - 30 mg / dl	
viii.	Carnitine acyl transferase l	is inhibited by		
	a) Benzoyl CoA		b) Malonyl CoA	
	c) Succinyl CoA		d) Acetyl CoA	
ix.	Urea cycle is linked with			
	a) Gluconeogensis		b) Glyoxylate cycle	
	c) Uronic acid cycle		d) TCA cycle	
Χ.	Hypouricemia due to defici	ency of		
	a) Xanthine oxidase		b) Xanthine deaminase	
	a) AMP deaminase		d) Nucleotidase	

b) > 3 ppm

c) < 2 ppm

d) > 5 ppm

(PTO)

Daily requirement of fluorine

a) < 0. 5 ppm

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xii.	Pheochromocytom	as are the tumor of					
	a) Thyroid gland		b) Adrenal medulla	a			
	c) Adrenal cortex		d) Anterior pituitar	у			
xiii.	•	Pancreatic function are assessed by serum enzyme					
	a) Alanine transam	inase	b) Aspartate trans	aminase			
	c) Lactate dehydro		d) Amylase				
xiv.	Atrial natriuretic fac	=	, •				
	a) Liver	b) Lungs	c) Kidney	d) Heart			
XV.	Specific dynamic a	ction carbohydrate	, .	,			
	a) 25 %	b) 20%	c) 15 %	d) 5 %			
xvi.	Replacement of RI	NA primer by DNA	,	,			
	a) DNA polymeras	e l	b) DNA polymeras	se III			
	c) DNA topoisome		d) DNA topoisome	erase II			
xvii.	Which antibiotic inhibits the initiation of protein synthesis						
	a) Erythromycin		b) Streptomycin				
	c) Ricin		d) Tetracycline				
xviii.	Cytochrome P450	found high concentratio	n in				
	a) Microsomes of I	iver	b) Posterior pituita	ıry			
	c) Adrenal cortex		d) Large intestine				
xix.	The long term com	The long term complication of uncontrolled diabetes includes					
	a) Atherosclerosis		b) Retinopathy				
	c) Nephropathy		d) All of the above	•			
XX.	Zidovudine (or) AZ	T structural analog of					
	a) Deoxy adenosin	е	b) Deoxy guanosii	ne			
	c) Deoxy thymidine	)	d) Deoxy uridine				
Shor	Short Answer Questions (8x5=						
2. N	lucopolysaccharide						
	igestion and absorpt	ion of protein					
	. Electron transport chain						
	-						
6. B	asal metabolic rate						
7. E	xplain the mechanisr	n of detoxification.					
8. G	astric function test						
9. R	eplication of DNA						
Long	Answer Questions	<b>;</b>		(4x10=40)			
10 F	xplain Gluconeogens	sis in detail		·			
		ood source, RDA, bioch	nemical function and def	ficiency manifestation			
	•	nsport, Bio chemical fun		<u>-</u>			
	iver function test - in	•		,			

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