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Second Semester B.Sc. Nursing Examination, (Phase-III) Winter - 2023 APPLIED BIOCHEMISTRY & APPLIED NUTRITION & DIETETICS

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Total Dura	ation :	Section A Marks: 12			
		SECTION	- <u>A</u> (MC	Q) a spinor of a bythea of a sid	
Instructions: 1) Use black ball point p			en only.	indeed sugarders	
		2) Each question carries	one ma	ark.	
Page Ladion. Seep and election. Ladion and Angles and then a	n of the second	the question paper bo where other than the sp	oklet. If ace prov	nly on the Blank Space provided on the rough work done is found else vided on question paper or anywhere Il be treated as an attempt to resort	
1. Mı	ultipl	e Choice Questions:		[12×1=12]	
1)	Disa	accharide lactose is compo	sed of_	- 190 - 190	
	a)	Glucose and Mannose	b)	Glucose and Galactose	
rete stockted and out the spe	c)	Glucose and Glucose	d)	Glucose and Fructose	
m 14 7 1 2 1 4 2 2)	Cre	atine kinase level in serum is	s increas	sed in	
waith it finae	a)	Myocardial Infarction	b)	Prostate Cancer	
	c)	Hepatitis	d)	Bone disease	
10 017 H 12 3)	The only immunoglobulin that can cross the placenta and transfer the mothers immunity to the developing fetus is				
and the second second second	a)	IgG	b)	IgA	
mett vertus pet	c)	IgD	d)	IgM	
4)	Wh	ich one of the following enzy	yme acti	vities increase in bone diseases?	
ullian ol	a)	alkaline transaminase	b)-	alkaline phosphatase	
and better will	c)	aspartate transaminase	d)	acid phosphatase	

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5)	Parameters used for measurement of malnutrition by Gomez criteria ar								
	a)	Height for age	(d	b)	Weight alone (1)				
V	c)	Weight for age	d)	d)	Weight for Height	aı			
6)	Fat is much more concentrated form of fuel yielding								
	a)	4 kcals/s	· (b	b)	7 kcals/s				
	c)(11 kcals/s mand	ate that the	d)	The only for s/slassi 9	12)			
7)	The			ins th	e digestion of starch is				
	a)	Salivary lipase	(h	b)-	Pepsin				
	c)	Sucrase	of a ofe of a s	d)	Lipase				
8)	ICE	OS is expanded as	R ROUG)A H	SPAC				
a) Integrated Child Development services									
	b)	International Child	l Delinquen	cy Se	rvices				
	c)	Immediate Child I	Death Servi	ces					
	d)	Indian Child Deve	lopment Se	rvice	S				
9)	9) Peeling and exposing fruits can baring loss of								
	a)	Vitamin A		b)	Vitamin E				
	c)	Vitamin C		d)	Vitamin B6				

10)	The	water soluble vitamins are		
	a)	A and C phylode (a)	b)	A, D, E and K
\	c)	B and C	d)	B, D, E and K
11)	Egg	g flip is a preparation given f		j
	a)	Constipation lound	b)	Pellagra (ammental)
	c)	Vitamin A deficiency	d)	Protein energy malnutrition
12)	The	e only form of carbohydrate	that the	brain uses for energy
,	a)	Glycogen	b)	Galactose
	(c)		d)	Glucagon Salivary lipase (a)

SPACE FOR ROUGH WORK

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b) International Child Delinquency Services Immediate thild is all Services

[Total No. of Pages : 3

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Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 63

SECTION - B & SECTION - C

Instructions:

- 1) Use black ball point pen only.
- 2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
- 3) All questions are compulsory.
- 4) The number to the **right** indicates **full** marks.
- 5) Draw diagrams wherever necessary.
- Distribution of syllabus in Question Paper is only meant to cover 6) entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
- Use a common answerbook for section B & C.

(Applied Biochemistry)

Short notes: (any three out of four) [3×5=15]

- Explain Pentose Phosphate Pathway of Glucose oxidation. a)
- Write a note on transamination and deamination reactions in protein b) metabolism.
- Name lipoproteins and mention one functions of each. Add a brief note on atherosclerosis.
- Discuss factors regulating blood sugar level. d)

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Very Short Notes: (any three out of four):

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 $[3 \times 2 = 6]$

- Draw structure of immunoglobulins. a)
- Write a note on essential fatty acids. b)
- c) of Enumerate types of jaundice.
- Give four examples of biologically important peptides. (d)

(Applied Nutrition & Dietetics)

- [1×10=10] 4. Essay/Situation Type Question: (Any One out of Two)
 - Define Balanced Diet? What are the elements of balanced diet? Discuss a) the role of fibers in balanced diet.
 - Discuss the nutritional programmes in India. What are the methods of b) assessing the nutritional status of a child below five years? Explain the role of nurse in nutritional programmes in India.
- 5. Short Notes: (Any Four out of Five) 10 100 2010 (nm) 1 2010 [4×5=20]

- Explain Pemose Phosphate Pathway c.toA noiseast Food Adulteration Act.
- Functions of Carbohydrate. not enterior and alon a still
 - Discuss the Aims of supplementary nutrition intake under I.C.D.S Scheme.
 - Explain the Methods of food preservation. d)
 - Discuss lactors regulating blood suggestevel Discuss the factors affecting Basal Metabolic Rate. e)

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6. Very Short Notes: (Any Six out of Seven):

 $[6 \times 2 = 12]$

- a) First Class Protein.
- b) Compositions of body fluid.
- c) Deficiency manifestations of water-soluble vitamins.(Any three)
- d) Body Mass Index.
- e) Bomb calorimeter.
- fy List down the clinical features of Marasmus.
- g/ Micronutrients. "

