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Second Semester B.Sc Nursing Degree Regular Examinations February 2023

Paper I – Applied Biochemistry and Applied Nutrition & Dietetics

Time: 3 Hrs Total Marks: 75

- Answer all questions to the point neatly and legibly Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space Answer all parts of a single question together
- Leave sufficient space between answers Draw table/diagrams/flow charts wherever necessary
- Write section A and section B in separate answer books (32 Pages). Do not mix up questions from section A and section B

Section A – Applied Biochemistry

Q.P. CODE: 221010 Max. Marks: 25

Multiple Choice Questions (4x1=4)

(choose the most appropriate answer from the options given)

- 1. Ketone bodies are formed from
 - a) Acetyl CoA
- b) Glycine
- c) chylomicron
- d) Glucose
- 2. Which vitamin Is derived from cholesterol given below
 - a) Vitamin A
- b) Vitamin B
- c) Vitamin C
- d) Vitamin D

- 3. Breakdown of Haemoglobin occurs in
 - a) 100 days
- b) 110 days
- c) 120 days
- d) 130 days
- 4. Carbohydrate digesting enzyme present in mouth is
 - a) Amylase
- b) Pepsin
- c) Sucrase
- d) Elastase

Short notes (3x5=15)

- 5. Explain the regulation of blood glucose level.
- 6. Give an account on Plasma proteins
- 7. Renal Function Tests

Differentiate the following

(3x2=6)

- 8. ALT and ALP
- 9. MUFA and PUFA
- 10. Diabetes and Jaundice

(PTO)

Section B – Applied Nutrition and Dietetics

Max. Marks: 50

Q.P. CODE: 222010

Multiple Choice Questions (8x1=8)								
(choose the most appropriate answer from the options given)1. When the nutrient is directly given in the vein, it is called nutrition								
	a) Bland		c) Parenteral					
2.	Which of the following is the concentrated source of energy to the body							
	a) Carbohydrates	b) Fats	c) Proteins	d) Vitamins				
3.	. Requirement for iron during pregnancy is							
	a) 40mg		c) 29mg					
	b) 19mg d) 23mg							
4.	All are macro-nutrients	•	- \ \ \ (:4 :	al\				
_	a) Protein	,	c) Vitamin	d) Carbohydrate				
Э.	5. How much body mass index score for obesitya) 20 to 25b) More than 15c) More than 30d) Less than 18							
6	Which disease is caus	,	,	u) Less man 10				
Ο.	a) Pellagra	•	c) Beri-Beri	d) Rickets				
7.	Malnutrition comprise	,	,	- ,				
	a) Under nutrition	•	•	d) Micro nutrition				
8. Which of the following vitamin is soluble in water								
	a) Vitamin C	b) Vitamin A	c) Vitamin K	d) Vitamin D				
	say			(1x	10=10)			
Explain the nutritional programs in India								
Short notes (4x5=20)								
10. Anthropometry.								
11. Household methods of food preservation.								
12. Functions of protein.								
13. Principles of menu planning.								
Di	fferentiate the followir	ng		(5	3x2=6)			
14. Fat soluble vitamins and Water soluble vitamins.								
15. Osteoporosis and Osteomalacia.								
	Lathyrism and Fluoros							
List Down the following (3x2=6)								
	.Four essential amino a	ncide		(*	JAE O,			
18. Four best sources of calcium.								
19. Four importance of dietary fibre on health.								