Total Pages: 7

UN(2)-Bio.Nut & Diet. Nur(I) (Gr-A&B)

2024

Full Marks: 75

Time: 3 hours

Answer from both the Sections as directed.

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

SECTION-A (Applied Biochemistry)

1. MCQs.

 1×4

- (a) The normal PH of human blood is
 - (i) 7.0 7.1
 - (ii) 7.25 7.3
 - (iii) 7.35 7.45
 - (iv) 7.5 7.55

- (b) Which substance would increase in plasma if Jaundice is diagnosed
 - (i) Bile acids
 - (ii) Bilirubin
 - (iii) Stercobilin
 - (iv) Urobilin
- (c) BMR is affected by
 - (i) Body temperature
 - (ii) Body size
 - (iii) Gender
 - (iv) All of the above
- (d) Cholesterol is required for
 - (i) Formation of bile
 - (ii) Precursor for all steroid hormones
 - (iii) Formation of Vitamin D
 - (iv) All of the above

2.	Sho	rt no	otes:	5 × 3		
1	(a)	Cla	ssification of lipids with e	xample		
	(b)	Ну	poglycemia and diabetes n	nellitus		
	(c)	Fac	ctors influencing the digest	ion and		
3.	Ver	y sh	ort notes:	2 × 3		
	(a)	Sou	urces of water loss	PD -		
	(b) Malabsorption syndrome					
	(c)	Glucose tolerance test (GTT)				
	4		SECTION-B	ill -		
		(A)	pplied Nutri and Dietetics)			
1.	MC	Qs.	outel additionwess a 187	1 × 8		
-	(a)	The	functions of phosphorus is			
	200	(i)	Regulation of PH of bod	y fluids		
		(ii)	Developments of bone ar	nd teeth		

- (iii) Regulation of muscle contraction
- (iv) Role in transmission of nerve impulses
- (b) Pernicious anemia is caused by the deficiency of
 - (i) Cyanocobalamin
 - (ii) Pantothenic Acid
 - (iii) Biotin
 - (iv) Pyridoxine
- (c) During the pandemic doctors are advising to consume vitamin C rich food. Select the group rich in Vit-C
 - (i) Broccoli, soyabeans, peppers
 - (ii) Strawberries, orange, soyabeans
 - (iii) Milk, strawberries, lemon
 - (iv) Broccoli, strawberries, potatoes
- (d) Folate trap is due to the deficiency of
 - (i) Folic Acid

- (ii) Vitamin B₁₂
- (tii) Pantothenic Acid
- (iv) B
- (e) Fat digestion occurs in which part of body
 - (i) Duodenum
 - (ii) Small intestine
 - (iii) Stomach
 - (iv) Mouth
- (f) Hypokalemia can lead to
 - (i) Muscle cramps
 - (ii) Feeling tired
 - (iii) Arrhythmia
 - (iv) All of the above
- (g) Which mineral helps in regulation of blood pressure and blood volume
 - (i) Phosphorus
 - (ii) Iron

6	(111)	Tourne	3113			
	(iv)	Sodium				
(h)		ne gram of glucose prergy	oduces			
	(i)	4.8 Kilocalories				
	(ii)	3.8 Kilocalories	Toy I'm			
	(iii)	5.2 Kilocalories				
	(iv)	4.2 Kilocalories				
Es	sat ty	ype questions:	.10			
dis	sorde	t the common nutritional det ers, write down in detail ab iorkor.	ficiency out the			
Sho	ort no	otes.	5 × 4			
(a)	Foo	od preservation	common nutritional deficiency vrite down in detail about the or. 5 × 4 eservation ditives and food adulteration			
(b)	(b) Food additives and food adulteration					
(c)	Diet	t plan for pregnant woman				

- (d) Classification and function of minerals
- 4. Very short.

 2×6

- (a) Food exchange system
- (b) List out the healthiest type of fat
- (c) Elements that are mainly responsible for growth and development
- (d) Childhood obesity
- (e) PFA (Prevention of Food adulteration act)
 - (f) Therapeutic diet for diabetes mellitus