# PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)

## MSc DEGREE EXAMINATION DECEMBER 2023

(Third Semester)

## Branch - FOODS AND NUTRITION

#### NUTRITIONAL BIOCHEMISTRY

Time:	Three	Hours	Maximum: 50 Marks
		SECTION-A (5 Marks) Answer ALL questions ALL questions carry EQUAL marks	$(5 \times 1 = 5)$
1	Find to	the organ that plays a key role in monitoring and stabi ungs (ii) Lymphnode (iii) Liver	lizing blood glucose levels (iv) Spleen
2	(i) A	ify the major constituent of Plasma protein.  lbumin (ii) Globulin (iii) Globin	(iv) Glutelin
3	in		osphate, largely present  (iv) stomach
4		rain (ii) Muscle (iii) kidney surement of serum is used in the diagnosis of parotease (ii) amylase (iii) lipase	
5	Cush (i)	ing's syndrome is characterized by hyperglyceamia d Gluconeogenesis (ii) Glycogenesi Lipogenesis (iv) Glycerides	ue to increased
		SECTION - B (15 Marks) Answer ALL Questions ALL Questions Carry EQUAL Marks	$(5 \times 3 = 15)$
6	a.	Advanced glycation end products are harmful- Just OR	
7	b.	Determine the status of lipid profile in Atherosclero  Evaluate the role of C-reactive protein in inflamma	
/	a.	infection. OR	
	b.	Explain the types of enzyme inhibition.	
8	a. b.	OR State the causes of high plasma urea.	
9	a.	Discuss on gastrin measurements.	
	b.	OR State the regulation of thyroid hormone secretion.	
10	a.	Prepare the clinical value of androgens. OR	
	b.	How do you assess pituitary function?	Cont

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#### SECTION -C (30 MARKS)

Answer ALL questions
ALL questions carry EQUAL Marks (5 x 6 = 30)

11 a. Elucidate on physiological effects of insulin.

OR

- b. Classify Lipoproteins and how these are metabolized.
- 12 a. Appraise the functions of plasma proteins.

OR

- b. Criticize the difference between hypo and hypergamma globulinemia.
- 13 a. Elucidate the causes of Jaundice.

OR

- b. State the Renal blood flow and filtration fraction.
- 14 a. Assess the clinical features and causes for malabsorption.

OR

- b. Analyze the factors affecting thyroid concentration.
- 15 a. Elucidate the functions of Glucocorticoids.

OR

b. Enumerate on concentration of hormones secreted by pituitary gland.

Z-Z-Z

END