

# **PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**

**MSc DEGREE EXAMINATION DECEMBER 2025**  
**(Second Semester)**

## Branch – FOODS AND NUTRITION

## **PHYSIOLOGICAL ASPECTS OF NUTRITION**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

**Answer ALL questions**

**ALL** questions carry **EQUAL** marks

$$(10 \times 1 = 10)$$

**Cont...**

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

 $(5 \times 7 = 35)$ 

Question No.	Question	K Level	CO
11.a.	Illustrate the role of pancreatic enzymes in digestion.  (OR)	K2	CO1
11.b.	Explain the functions and clinical significance of gastrointestinal hormones – gastrin and secretin.		
12.a.	Deduce the physiology of olfaction and its clinical disorders.  (OR)	K3	CO2
12.b.	Identify and show the physiology of hunger and satiety.		
13.a.	Highlight the role of hormones of the adrenal gland.  (OR)	K3	CO3
13.b.	Construct the endocrine functions of the pancreas and its disorders.		
14.a.	Examine the effects of vitamin and trace element deficiencies on immune response.  (OR)	K4	CO4
14.b.	Analyse the structure and functions of immunoglobulins.		
15.a.	Survey the luminal and mucosal factors in drug-induced malnutrition.  (OR)	K4	CO5
15.b.	Analyze the physiological factors interfering drug action.		

**SECTION - C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

 $(3 \times 10 = 30)$ 

Question No.	Question	K Level	CO
16	Analyse the oxidative stress and the role of antioxidants in health and disease.	K4	CO1
17	Inspect about circadian rhythm and its physiological significance with examples.	K4	CO2
18	Discover the hormones of the thyroid and parathyroid glands – secretion, functions, regulation, and disorders.	K4	CO3
19	Examine about immune response – antigen, antibody, and their interactions.	K4	CO4
20	Conclude about absorption and biotransformation of drug.	K4	CO5