

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2024  
(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 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Identify the class of digestive Enzymes. a) Hydrolases                      b) Ligases c) Lysases                              d) Oxidoreductases	K1	CO1
	2	Which of the vitamins listed has no antioxidant property? a) Vitamin- C                      b) Vitamin – E c) Vitamin-A                      d) Vitamin- K	K2	CO1
2	3	Choose the agent causing bitter taste. a) acids                              b) alkali c) inorganic salts                      d) organic substances	K1	CO2
	4	Loss of the ability to smell is called a) Hyposmia                      b) anosmia c) parosmia                              d) dysosmia	K2	CO2
3	5	Name the principal anabolic hormone. a) Thyrotropic hormone              b) vasopressin c) Growth Hormone                      d) Glucagon	K1	CO3
	6	Hormones which act by binding to their “receptors” on the plasma membrane. a) Glucagon                              b) Insulin c) ACTH                                      d) steroid hormones	K2	CO3
4	7	Immunoglobulins are a) Glycoprotein                      b) Phospho protein c) Sulphoprotein                      d) Lipoprotein	K1	CO4
	8	Indicate which among the following may be regarded as soluble messenger molecules of Immune system. a) Proteins      b) cytokinins      c) MHC      d) APC	K2	CO4
5	9	Identify the major route of elimination of drugs. a) Skin                      b) Kidney                      c) Intestine      d) lungs	K1	CO5
	10	Substance added to a drug is known as a) Excipient                              b) pressor agents c) bound agents                              d) unbound agents	K2	CO5

**SECTION - B (35 Marks)**

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the generation of Free Radicals.	K2	CO1
		(OR)		
	11.b.	Show the characteristics of Gastrin and Secretin.		
2	12.a.	Illustrate on threshold for taste.	K2	CO2
		(OR)		
	12.b.	Accommodation of eye is controlled by the parasympathetic nerves- Justify it.		

Cont...



3	13.a.	Explain about thyroid hormones.	K2	CO3
	(OR)			
	13.b.	Outline the actions of Pineal Gland.		
4	14.a.	Show the role of helper T cell in immune response.	K2	CO4
	(OR)			
	14.b.	Relate stress and immunity.		
5	15.a.	Explain about absorption and bio transformation of drugs.	K2	CO5
	(OR)			
	15.b.	Summarize on drugs that cause altered taste.		

**SECTION -C (30 Marks)**

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Explain the activation of pepsinogen and other gastric enzymes.	K2	CO1
2	17	Show the auditory pathway from the hair cells to the auditory cortex.	K2	CO2
3	18	Outline the disorders of adrenal cortex.	K2	CO3
4	19	Classify the types Hypersensitivity and explain the causes.	K2	CO4
5	20	Summarize the effects of drugs on food and nutrition.	K2	CO5

Z-Z-Z

END