

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2024
(Third Semester)

Branch - ZOOLOGY

ENDOCRINOLOGY

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	This is not an endocrine gland. (a) Adrenal (b) Pituitary (c) Lacrimal (d) Thyroid	K1	CO1
	2	This hormone is not secreted by Hypothalamus. (a) PRH (b) FSH (c) CRH (d) TRH	K2	CO1
2	3	This hormone is responsible for "fight-or-flight" response. (a) Thyroxine and melatonin (b) insulin and glucagon (c) epinephrine and norepinephrine (d) oestrogen and progesterone	K1	CO2
	4	Effects of hypothyroidism include all but this (a) Diarrhoea (b) lethargy (c) Anorexia (d) Weight gain	K2	CO2
3	5	Which of these is true of the endocrine system? (a) secretes hormones that are transported to target cells by blood (b) causes changes in metabolic activities (c) effects are prolonged (d) All of above are true.	K1	CO3
	6	Calcitonin is a hormone of which of following: (a) Adrenal cortex (b) Thyroid gland (c) Pituitary glan. (d) Thymus gland	K2	CO3
4	7	All of the following are hormones of the anterior pituitary except: (a) Human growth hormone (GH) (b) Follicle-stimulating hormone (FSH) (c) Parathyroid hormone(PTH) (d) Thyroid-stimulating hormone (TSH)	K1	CO4
	8	Most hormones of the endocrine system are regulated by a: (a) Negative feedback mechanism (b) Positive feedback mechanism (c) Hormone-receptor complex (d) Hormone-gene complex	K2	CO4
5	9	Colostrum is (a) milk of lactation period (b) milk of initial few days (c) milk of initial few hours (d) milk on day one	K1	CO5
	10	In humans, the location of the Bartholin's glands are (a) either side of the fallopian tube (b) either side of the penis (c) either side of the vas deferens (d) either side of the vagina	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer **ALL** questions
ALL questions carry **EQUAL** Marks

(5 × 7 = 35)

Module No.	Question No.	Que2stion	K Level	CO
1	11.a.	Explain the modern concepts and problems in Endocrinology.	K3	CO1
		(OR)		
	11.b.	Describe the mechanism of hormonal action.		
2	12.a.	Lit out the biological actions of Parathyroid hormones and its function.	K3	CO2
		(OR)		
	12.b.	Comment on Hypothalamic control and its significance.		
3	13.a.	Describe the structure of Pancreas and their functions.	K4	CO3
		(OR)		
	13.b.	Explain the functions of medullary hormones.		
4	14.a.	Analyze the endocrine control of moulting in insects.	K4	CO4
		(OR)		
	14.b.	Discuss about endocrine control of metamorphosis in Crustaceans.		
5	15.a.	Illustrate the structure of mammalian testis.	K4	CO5
		(OR)		
	15.b.	Discuss the hormonal control of lactation.		

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	Trace out the objectives and scope of endocrinology.	K4	CO1
2	17	Elaborate the characteristics and structural organization of Pituitary gland.	K6	CO2
3	18	Discuss about the structural organizations of Adrenal gland and their function.	K5	CO3
4	19	Describe the hormonal control of metamorphosis in insects.	K4	CO4
5	20	Discuss the hormonal control of metamorphosis in anuran amphibian.	K5	CO5

Z-Z-Z

END