B.Sc. ZOOLOGY FIFTH SEMESTER SESSIONAL EXAMINATION, 2022 ENDOCRINOLOGY

PAPER CODE: ZOO-HE-5036

Marks	=30	Time=1 hour
Q1. Aı	nswer the following:	1x5=5
a)	Which hormone is administered to a person suffering pressure? (i) Insulin (ii) Adrenaline (iii) Thyroxine (iv) Vasopressin	from marked fall in blood [Choose the correct option]
b)	Posterior Pituitary does not synthesize its own hormones.	[True/False]
c)	The hormone maintains pregnancy.	[Fill in the blank]
d)	Insulin: Glucagon:: Calcitonin: [A	Analyze and fill in the blank]
e)	Read the following statements: (A) Dissociation of alpha so (B) Generation of cAMP as second messenger. (C) Bindi Activation of Adenylyl cyclase by G-alpha subunit (E) trimeric G-protein. [Rearrange these so	ng of hormone to GPCR (D)
Q2. Aı	nswer the following (any five):	2x5=10
b.) c.) d.) e.)	Define hormones. Give their classification. Differentiate between exocrine and endocrine gland. State the symptoms of Grave's disease. Differentiate between adenohypophysis and neurohypoph What are catecholamines? Name them. State two gonadotropins and mention their functions.	ysis.
Q3. W	rite short notes on (any one):	5x1=5
b.)	Hormones of the anterior pituitary and their functions. Pancreatic hormones and their roles. Histology of the Adrenal gland	
Q4. Aı	nswer the following (any one):	10x1=10
	Discuss the mechanism of synthesis of thyroid hormones.	