PD-270

M.Sc. Zoology (2nd Semester) Examination, June 2021

Paper-I

Time : Three Hours]

General & comparative Endocrinology of Vertebrates

[Maximum Marks : 80

[Minimum Pass Marks :

	Section-A
. Answ	ver the following Multiple choice question 1x10=10
i-	Who gave the word endocrinology in the year of 1907.
	a- Sterling b- Baylis c- Pende d- A.A. Berthold
ii-	Which scientist or philosopher denied that disease could be caused by the intervention "Deities & Demons" -
	a- Assistotle b- Hippocrates c- John Hunter d- A.A. Berthold
iii-	Who First used the world Hormone (1905) -
	a- Baylis & Sterling b- A.A. Berthold c- Adisson d- John Hunter
iv-	Which compound that selectively destroys the B-cells of the pancreatic is lets and redu
	the insulin secretion-
	a- Neutral Red b- Alloxan c- Thiourecil d- Cyproteron Acetate
v-	Which one is the anti-androgynous substance or compound bond to target organ and bl
	the action of Testosterone & Androgens.
	•
	a- Cyproteron Acetate b- Thourea c- Alloxan d- Nitrofurans
vi-	How many anuno acid residue are found in thyroid relapsing hormone and melenocyte
	inhibitory releasing hormone
	a-2 b-3 c-4 d-4
vii-	Pre-prostructure of insulin contain 109 amino acid residue, 1 insulin contain 51 anion ac
	residue. Messenger RNA of insulin contain how many amino acid residue.
	a- 20 b- 21 c- 22 d- 23
viii-	Which hormone are nesessory for the "Male Brain Sex"
	a- Testosterone b- Estrogens c- Di-hychoxy testosterone d- Progesterone
ix-	Hypothyroidism cused in infancy-
IA	a- Exothermic Goiter b- Myxoedema c- Cretism d- Myxoedema
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X-	Estrogeus belong to estrane group contain how many carbon atom
	b- 17 b- 18 c- 19 d- 21
2 4 -	such the following short ensures the superious
2- Au i-	swer the following short answer the questions- 2x5=10 Write about the symptoms of acomegaly.
1- ii-	How many hormone release from kidney, write their names.
iii-	How to pre-pro structure of insutin convert in to insulin.
iv-	Give the name of any four releasing stimuli those are responsible of hormone
	release.
v-	Write about the disorder of 1925 Dihydroxy cholecalciferol.
y -	
v-	Section-B

³⁻ Describe "Chemical Ablation" in detail

Or

Describe the classification of endocrine glands and its hormones.

4- Describe the biosynthesix of catacholanine hormones and idothysonine hormones.

Write about the cytosotic receptors and explain the role of Zn finger, Lucien zipper and Helix turn helix.

5- How to pituitary gland control by the Hypothalamus and write about the Hypothalamus hormones.

Or

Write about the synthesis of glucocorticoids hormones and explain the role of mitochondria and endoplasmic reticulum in the synthon of glucocorticoids hormones. 6- Describe the role of hormone in feeding behavior.

Or

Explain the role of thyroid, parathytiod and kidney in calcium metabolism.