Printed Pages – 4			(2)			
M-6543			Unit - II			
M.Sc. (IV <sup>th</sup> Semester) Examination, 2020 ZOOLOGY			Q. 2.	Provide a brief illustration	about Urophysis. Add a	
(Comparative Endocrine Physiology)		vsiology)		note on physiological functions of pituitary		
	Time Allowed : Three Ho	urs		hormones.	6+8=14	
Maximum Marks : 70						
Minimum Pass Marks : 28			Or			
Note :	Attempt any one question taking one from each			Give a short account o	f structural diversity of	
	unit. Each question carry equal marks.			glucocorticoids among vertebrates. State the role		
Unit - I			of glucocorticoid in gluconeogenesis. <b>10+4=14</b>			
Q. 1.	Define the term endocrinology. Add a short account		Unit - III			
of endocrine system. Add a note on various modes		on various modes	Q. 3.	Mention the hormonal regulation of water		
	of hormone secretion.	10+4=14	Q. J.	Mention the normonal regulation of water		
Or Comment on endocrine control of reproduction in				and electrolyte balance. Add a note on importance of adrenocortical and adrinomedullary		
		of reproduction in				
	nemer teans and molluscs.	7+7=14		interaction.	8+6=14	
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# (3)

Or

Briefly discuss the physiological role of adrenal medullary hormones. Write a short note on catecholamine biosynthesis. **8+6=14** 

#### Unit - IV

Q. 4. Give a comparative account of parathyroid gland and ultimobranchial body / C cells in vertebrates.
Add a note one "calcitonin biosynthesis". 10+4=14

## Or

Briefly describe the biosynthetic pathway of vitamin D3. Add a note on various sources of vitamin D. 10+4=14

#### Unit - V

Q. 5. Explain the role of hormones in vitellogenesis.

Comment on evolution of viviparity. 8+6=14

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# (4)

Or

State the role of hormones on the following : 7+7=14

(a) Gall bladder contraction relaxation

(b) Pancreatic enzyme secretion

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