

**CARMEL COLLEGE OF ARTS, SCIENCE & COMMERCE FOR WOMEN  
NUVEM-GOA  
B.Sc. CBCS SEMESTER V (REPEAT) EXAMINATION, JULY 2021**

**Subject Code: ZOC 105**

**Subject name: Endocrinology**

**Total Marks: 30    Duration: 2 hrs**

**Total No. of Page: 1**

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*Instructions: 1. All questions are compulsory.*

*2. Figures to the right indicate marks allotted to the question.*

*3. Illustrate your answers wherever necessary.*

**Q.I. Answer ANY FOUR of the following: (5x2)**

1. How are the blood Glucose levels regulated?
2. List the types and functions of Hypothalamic releasing hormones.
3. Present a brief account of divisions and nomenclature of the pituitary gland.
4. What are the various cell types of anterior Pituitary? Name their secretions and targets organs.
5. What is a Hypothalamo-hypophysial portal system. Give its advantage.
6. Write a note on the different types of chemical messengers.
7. What are the Hormones of Adrenal Medulla?
8. What is the source and role of Testosterone?

**Q.II. Answer ANY FOUR of the following: (4x5)**

- 1 Explain the concept of 'feedback mechanism' in endocrinology with a suitable example.
- 2 Why is the hypothalamus the Master Gland? Explain.
- 3 Explain any two disorders caused by altered functioning of Thyroid.
- 4 With a diagrammatic representation, discuss the parts of adrenal and the corticomedullary hormones.
- 5 Briefly describe the histological structure of endocrine Pancreas.
- 6 Discuss the events of the Menstrual Cycle.