

Department of Zoology, University of Calcutta
M.Sc. 2nd Semester Examination, 2020

ZCT 212

(Endocrinology)

Answer any one question

1. a. 'The 3rd amino acid residue from C-terminal in G17 gastrin molecule is mutated' – How will it affect the digestive process in humans?
- b. 'A cross-section of the mammalian pineal gland is stained with PAS reagent' – Describe the histological features of the cell that can be visualized.
- c. Comment on the role of cortisol in stress response.

(3+4+3=10)

2. a. Mention the importance of the thymus in generating self-tolerant T cell repertoire.
- b. What are the causes of Carney Syndrome and bilateral anorchia?
- c. How will the administration of cocaine and reserpine affect the function of catecholamines?

(3+3+4=10)