*KAFR EL. SHEIKH University*

*Faculty of Vet. Medicine*

*Biochemistry Department*

## Chemistry of hormones and reproduction Exam

## for premaster students (Minor Subject) No 137/1.

Time allowed: 3 hours Date:04/12/2019.

**Please answer THREE questions including No.1 or No.2**

## 1 –Write full account on Fish hormones with special reference to hormones

##  responsible for reproduction.: - (18 marks)

## 2- Write full account on catecolamines and catecolamines inhibitors. (18 marks)

## 3-a) Give full account on the synthesis and degradation of glucocorticoid.

##  b) Write brief account on serotonin and melatonin.

##  (16 marks)

## 4-a) Discuss the biological importance of glycine amino acid in hem biosynthesis.

##  b)Explain different types of enzyme specificity. (16 mark)

***Good luck***

***Prof.Azza El-Kattawy Prof.D. Kh. Kahilo***

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