



Seat No. \_\_\_\_\_

**HB-003-1184005**

**M. Sc. (Sem. IV) (CBCS) (W.E.F. 2016) Examination**

**April - 2023**

**Zoology : ZOOL-423**

**(Endocrinology & Reproductive Physiology)**

**Faculty Code : 003**

**Subject Code : 1184005**

Time :  $2\frac{1}{2}$  Hours / Total Marks : 70

**1 Answer the following very briefly (Any Seven) : 2×7=14**

- (a) Write the name of local hormones.
- (b) Name of pituitary hormones.
- (c) Full form of RAAS.
- (d) Write the name of hormones secreted by parathyroid.
- (e) What is thyrocalcitonin.
- (f) What is Assisted Reproductive technologies.
- (g) Write the name of gonadal hormones.
- (h) Function of estrogen.
- (i) Write the name of hormones of placenta.
- (j) What is Erythropoiesis.

**2 Answer of the following (Any Two) : 7×2=14**

- (a) Discuss neurohypophysis and its hormone.
- (b) Discuss biosynthesis of thyroid hormone.
- (c) Write about Renin Angiotensin system.

**3 Answer the following : 7×2=14**

- (a) Write short note on mechanism of hormone action.
- (b) Write short notes on insulin and blood glucose regulation.

**OR**

- (a) Write about Ultrastructure of Pancreas.
- (b) Write about Ultrastructure of Thyroid gland.

**4** Answer the following : **7×2=14**

- (a) Write a short note on control of pituitary hormone.
- (b) Describe ultrastructure of Adrenal gland with its hormone.

**5** Answer the following (any Two ) : **7×2=14**

- (a) Write the function of kidney hormones.
  - (b) Write a short notes on local hormones and its function.
  - (c) Write short note on physiology of sexual development.
  - (d) Write short note on Assisted Reproductive technologies.
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