



**PT-003-1184005**

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

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

**August - 2020**

**Zoology : Paper - ZOOL-423**

***(Endocrinology & Reproductive Physiology)***

***(Elective)***

**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) What are local hormones?
  - (b) What is endometriosis?
  - (c) What are gonadal hormones?
  - (d) What is hysterosalpingogram (HSG)?
  - (e) What are neurosecretions?
  - (f) What are autocrine glands?
  - (g) Define neurohypophysis.
  - (h) Define PCOS
  - (i) What is intrauterine insemination (IUI)?
  - (j) Give causes of infertility in male
- 2 Answer of the following : (Any Two) **7×2=14**
- (a) Write a note on the hormones of parathyroid gland and its functions.
  - (b) Write a note on the kidney hormones citing their significance.
  - (c) Write a note on the mechanism of hormone action.

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

- (a) Describe the adrenal gland hormone and their functions.
- (b) Describe the insulin and blood-glucose regulation

**OR**

- (a) Describe the main functions of the gonadal hormones
- (b) Give a detailed account of local hormones and their functions

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

- (a) Write a short note on biosynthesis of thyroxine and its control.
- (b) Write a note on the reproductive disorders and their significance.

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

- (a) Describe the hormones of endocrine pancreas and their functions.
- (b) Write a note on the renin-angiotensin system.
- (c) Write a note on the sexual development and its physiological significance.
- (d) Write a note on the contraceptive technologies and IVF.

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