



MBU-003-1184005 Seat No. _____

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

April / May - 2018

Zoology : 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) Name the hormones of posterior pituitary and their main functions
- (b) What is female tube blockage ? Give few remedial options.
- (c) Name few male infertility treatment options.
- (d) Define IUI
- (e) Name few assisted reproductive technologies and their related risks
- (f) Write few functions of kidney hormones
- (g) Write the names of few gastric hormones
- (h) What is polycystic ovarian syndrome ?
Give few symptoms
- (i) Write few functions of progesterone
- (j) What is surrogacy ?

2 Answer of the following : (any two) **7×2=14**

- (a) Describe the control of thyroid hormone secretion
- (b) Write a note on the gonadal hormones and their functions.
- (c) Describe the functions of adrenal gland hormones

- 3** Answer the following : **7×2=14**
- (a) Describe the female reproductive disorders
 - (b) Name the hormones secreted from neurohypophysis.
Write their functions.

OR

- 3** Answer the following : **7×2=14**
- (a) Write a detailed note on in vitro fertilization
 - (b) Write a short note on kidney hormones

- 4** Answer the following : **7×2=14**
- (a) Write a short note on parathyroid hormones and their functions
 - (b) Describe the renin-angiotensin system in blood pressure regulation

- 5** Answer the following : (any two) **7×2=14**
- (a) Write a short note on the hormonal control of reproduction
 - (b) Write a short note on the role of insulin in blood-glucose regulation
 - (c) Write a short note on the modern contraceptive technologies
 - (d) Write a short note on the physiology of male sexual developments