



NBW-003-018405 Seat No. _____

M. Sc. (Sem. IV) (CBCS) Examination

April / May - 2017

Z - 423 : Zoology

(Endocrinology & Reproductive Physiology)

Faculty Code : 003

Subject Code : 018405

Time : Hours]

[Total Marks : 70

1 Answer the following very briefly : (any **seven**) **2×7=14**

- (a) Define female tube blockages and its possible solutions
- (b) Name few posterior pituitary hormones and their functions
- (c) Name few male infertility treatment options
- (d) What is IUI ?
- (e) Name some assisted reproductive technologies
- (f) Write functions of the kidney hormones
- (g) Write the names of few gastric hormones
- (h) What is polycystic ovarian syndrome?
- (i) Write few functions of progesterone
- (j) Define surrogacy.

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

- (a) Briefly describe few contraceptive technologies
- (b) Write a short note on the parathyroid gland and it's functions
- (c) Briefly describe the assisted reproductive technologies

3 Answer the following : **7×2=14**

- (a) Write a short note on few reproductive disorders
- (b) Write a short note on Renin- Angiotensin system

OR

3 Answer the following : **7×2=14**

- (a) Write a note on the adrenal hormones and their functions
- (b) Describe the biosynthesis of the thyroid hormone and its control

- 4 Answer the following : **7×2=14**
- (a) Describe the physiology of reproductive developments in female
 - (b) Describe IVF
- 5 Answer the following : (any two) **7×2=14**
- (a) Write a short note on thyroid hormone disorders
 - (b) Write a note on the insulin and blood-glucose regulation.
 - (c) Write a brief note on the kidney hormones and their functions
 - (d) Describe the mechanism of the hormone action
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