

No. of Printed Pages : 1

Sl. No.

**76962**



**M.Sc. II Semester (CBCS) Degree Examination,  
September/October - 2022**

**ZOOLOGY**

**21ZOO2C6L : Developmental Biology and Molecular Endocrinology**

Time : 3 Hours

Maximum Marks : 70

**Note :** Answer any **five** of the following questions with question No. **1 Compulsory**. Each question carries **equal** marks.

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1. Write an essay on intra-cytoplasmic sperm injection (ICSI) and gamete intra-fallopian tube transfer (GIFT) technology. **14**
  2. Write an essay on the early development in amphibians. **14**
  3. Explain in detail the structure and function of the pituitary gland and its hormones. **14**
  4. Give an account of recombinant DNA technology and RIA. **14**
  5. Write a detailed note on the structure and function of hypothalamic hormones. **14**
  6. Write short notes on :
    - (a) Extra-embryonic membrane **5**
    - (b) Steroid hormones **5**
    - (c) Neurotransmitters **4**
  7. Write short notes on :
    - (a) Autoradiography **5**
    - (b) Insulin metabolism **5**
    - (c) Menstrual cycle **4**
  8. Write short notes on :
    - (a) Neuro-endocrine integration **5**
    - (b) Pathophysiology of cretinism **5**
    - (c) Addison's disease **4**

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