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Sl. No.

**21Z003C9L**

**M.Sc. III Semester Degree Examination, April/May - 2023**

**ZOOLOGY**

**DSC 9 : Reproductive Biology and Artificial Organs  
(CBCS)**

Time : 3 Hours

Maximum Marks : 70

**Note :** Answer **Any five** of the following questions. Question No. **1** is **Compulsory** and each question carries **equal** marks.

1. Describe the structural and molecular events that occur during spermatogenesis. **14**
2. Give an account on menstrual cycle and its hormonal regulation. **14**
3. (a) Elucidate the sequence of events during implantation. **7**  
(b) Elaborate on the endocrine control of pregnancy. **7**
4. (a) Describe the Gamete Intra-Fallopian Transfer. **7**  
(b) Explain the hormonal control of lactation. **7**
5. Write an essay on design of artificial organs. **14**
6. (a) Describe the types of placenta. **7**  
(b) Give a brief account on polycystic ovarian syndrome. **7**
7. (a) Explain the age-related reproductive disorders. **7**  
(b) Describe the utility of the Peritoneal Dialysis Equipment. **7**
8. Write short notes on :
  - (a) Hormonal regulation of estrous cycle **5**
  - (b) Corpus luteum **5**
  - (c) Surrogate pregnancy **4**

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