

21Z003C9L

No. of Printed Pages : 1

Sl. No.



M.Sc. III Semester Degree Examination, April/May - 2024

ZOOLOGY

DSC - 9 : Reproductive Biology and Artificial Organs

(NEP)

Time : 3 Hours

Maximum Marks : 70

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

1. Explain the mechanism of differentiation of gonads and gonadal ducts. **14**
2. Elucidate the mechanism of ovulation and briefly comment on female reproductive disorders. **14**
3. Give a detailed account on the types and functions of placenta and add a note on disorders of pregnancy. **14**
4. Comment on the morphological and functional development of mammary glands with a note on role of hormones in lactation. **14**
5. Write an essay on artificial kidney. **14**
6. Write short notes on the following.
 - (a) Accessory reproductive organs in males **7**
 - (b) Implantation and its types **7**
7. Write short notes on the following.
 - (a) Hormonal control of parturition **5**
 - (b) Age related reproductive disorders **5**
 - (c) Classification and characterization of blood substitutes **4**
8. Write short notes on the following.
 - (a) Biochemistry of semen **5**
 - (b) IVF **5**
 - (c) Artificial liver **4**

- o 0 o -

