



**2023/TDC(CBCS)/EVEN/SEM/
ZOODSE-601T/264**

TDC (CBCS) Even Semester Exam., 2023

ZOOLOGY

(6th Semester)

Course No. : ZOODSE-601T

(Reproductive Biology)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

1. What is reproduction?
2. Mention the important function of reproductive system.
3. Name the gonadotropins secreted by human female.



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4. What are steroids?
5. What are Sertoli cells?
6. Name the hormone that helps in spermatogenesis.
7. What is the function of Leydig cells?
8. Mention the accessory reproductive glands of male.
9. Write the function of FSH.
10. What is ovulation?
11. What is the function of corpus luteum?
12. Write the name of matured follicle of ovary.
13. What is fertilization?
14. Mention the function of fertilizin.
15. Which hormone is known as pregnancy hormone?
16. What is parturition?
17. What is ART?

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(Continued)

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18. What is frozen embryo?
19. What are contraceptives?
20. What is secondary infertility?

SECTION—B

Answer any *five* of the following questions : $2 \times 5 = 10$

21. Write a short note on steroids.
22. Mention the functions of prostaglandins.
23. Write about stem cell renewal.
24. Write a short note on sperm transport in male tract.
25. What is folliculogenesis?
26. Write a short note on ovarian hormones.
27. What is estrous cycle? Mention its stages.
28. Write a short note on lactation.
29. What are *in vitro* fertilization and embryo transfer?
30. What is family planning?

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(Turn Over)



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SECTION—C

Answer any *five* of the following questions : 5×5=25

31. Describe the reproductive system of female rat with suitable diagram.
32. Discuss the mechanism of steroid hormone action with proper illustration.
33. Outline the histological structure of male reproductive system in human.
34. Discuss the kinetics and hormonal regulation of spermatogenesis.
35. Describe the histological structure of female reproductive system in human.
36. Write about steroidogenesis and secretion of ovarian hormones.
37. Describe the process of fertilization in human.
38. Write about the hormonal control of implantation.
39. Mention the causes and management of infertility in male.
40. Write what you know about modern contraceptive technologies.

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