

HSc - II year - 2021

## ZOOLOGY

## UNIT TEST -1

TOTAL 50 MARKS

Answer all the questions

1. The fusion of dissimilar gametes is called as

5X1=5

- (a) Merogamy (b) Isogamy (c) Anisogamy (d) Paedogamy

2. In which mode of reproduction variations are seen

- (a) Asexual (b) Parthenogenesis (c) Sexual (d) Both a and b

3. The mature sperms are stored in the \_\_\_\_\_

- (a) Seminiferous tubules  
(b) Vas deferens  
(c) Epididymis  
(d) Seminal vesicle

4. The foetal membrane that forms the basis of the umbilical cord is \_\_\_\_\_

- (a) Allantois  
(b) Amnion  
(c) Chorion  
(d) Yolk sac

5. The surgical sterilisation of male is called as

- (a) Tubectomy (b) Vasectomy (c) IUD (d) CuT-380A

6X2=12

Answer any SIX (6) questions

6. What is Syngamy?

7. Expand the acronyms (1) FSH (2) LH

8. How is juvenile phase differ from reproductive phase?

9. Define gametogenesis?
10. What is tubectomy?
11. Define blastocyst.
12. Placenta is an endocrine tissue. Justify.

Answer any SIX (6) questions

6X3=18

13. What are the three layers of Uterus?
14. Write the difference between epiblast and hypoblast?
15. Draw a labelled sketch of an ovum.
16. What is amniocentesis?
17. What is the composition of semen?
18. Amniocentesis, the foetal sex determination test, is banned in our country. Is it necessary? Comment.
19. Expand the following: (a) ZIFT (b) ICSI

3X5=15

Answer all the questions

20. Give a schematic representation of spermatogenesis and oogenesis in humans.
21. Describe the structure of the human spermatozoa with a neat labelled diagram.
22. What is parthenogenesis? Describe the types.