

## Question bank B.Sc.II Reproductive Biology BZT 401

Q.1) Define -

1. What is reproduction.
2. What do you mean by scrotum.
3. Function of vasa deferentia.
4. Define assisted reproductive technology.
5. Any two functions of scrotum.
6. Define spermatogenesis.
7. Function of penis.
8. Define implantation
9. Define gestation.
10. Any two functions of testis.
11. Any two functions of Sertoli cell.
12. Define IVF.
13. Define ZIFT
14. Any two functions of FSH.
15. Any two functions of LH.
16. At what temperature human sperm stored in liquid nitrogen ?
17. What is PCO.
18. What is Hypospadias.
19. Define Miscarriage.
20. Define preeclampsia
21. Name the follicle that secretes lutein?
22. Which two types of layers are present surrounding the oocyte?
23. Name the hormone secreted by Testis ?
24. Enlist two functions of Estrogen
25. Enlist two functions Progesterone
26. Name two male sex hormones?
27. Enlist any two mechanical method of contraception?
28. Retrograde ejaculation
29. Menstruation
30. Oestrous cycle
31. Mention phases of Menstrual cycle
32. Vasectomy
33. Tubectomy

## Q.2 Long questions

- 1) Describe accessory duct.
- 2) With the help of diagram describe structure of sperm.
- 3) Describe gamete intra fallopian transfer.
- 4) Describe accessory gland.
- 5) Describe the process of spermatogenesis.
- 6) Describe in brief In vitro fertilization.
- 7) Describe external genitalia.
- 8) Describe histological structure of testis.
- 9) Describe zygote intra fallopian transfer.
- 10) Describe structure of pituitary gland.
- 11) Describe hormones related to reproductive physiology.
- 12) Describe gestation & its hormonal regulation
- 13) What do you mean by an infertility in human male? Describe the cause of it in man.
- 14) What do you mean by an infertility in Human female? Describe the causes of it in Woman.
- 15) What is parturition ? Which hormones are involved in induction of parturition?
- 16) What is menstrual cycle ? Which hormones regulate menstrual cycle ?
- 17) Describe process of Folliculogenesis
- 18) Describe histological structure of ovary .
- 19) With neat labelled diagram describe female reproductive system .
- 20) Write a note on Sperm transportation in male tract .

- 21) Describe in detail about Preeclampsia
- 22) Explain the concept of Assisted reproductive technology
- 23) How population explosion can be controlled ? Add a note on methods of contraception and its devices ?
- 24) What are contraceptives ? Describe IUT and oral contraceptives ?

**Q.3) Write short notes on**

- 1) Seminal vesicle.
- 2) Intra uterine insemination.
- 3) Epididymis.
- 4) Diagnostic features of pregnancy.
- 5) Gonadotropic hormones.
- 6) Urethra.
- 7) Penis.
- 8) Oxytocin.
- 9) Implantation.
- 10) Describe Histological Structure of Testis.
- 11) Scrotum.
- 12) Semen.
- 13) Tubal embryo transfer.
- 14) Frozen embryo transfer.
- 15) Draw neat labelled diagram of male reproductive system.
- 16) Sperm Bank

- 17) Fertilization
- 18) Lactation and its regulation
- 19) Pregnancy diagnosis
- 20) Phases of Menstrual cycle
- 21) Sperm transportation in Male tract
- 22) Prostrate gland
- 23) Chemical methods of contraception
- 24) Rhythm method of contraception
- 25) Endometriosis

**B.Sc-II General Science Semester-IV Examination,**

**ZOOLOGY**

**Applied Zoology (BZT-402)**

**Question Bank**

**Instructions:-** 1) All questions are compulsory.

2) All questions are carry equal marks.

3) Draw neat well labeled diagram.

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**Q. 1: Answer in one sentence.**

1. What is the common name of *Callosobruchus chinensis*?
2. What is the common name of *Tribolium castaneum*?
3. Define Zoonosis.
4. What are the examples of commensalism?
5. What is epidemiology?
6. What is tuberculosis?
7. What is the common name of *Sitophilus oryzae*?
8. Define host.
9. Define parasite.
10. Which organ is infected in cardiac tuberculosis?
11. Which organ is infected in adrenal tuberculosis?
12. What is the common name of *Helicoverpa armigera*?
13. What are the examples of mutualism?
14. What are the examples of ectoparasite?

15. Write the name of the vaccine for prevention of TB.
16. Name any two diagnostic tests for TB.
17. What are the examples of endoparasite?
18. What is the common name of *Papilio demoleus*?
19. What is the common name of *Pyrilla purpusilla*?
20. Write any two names of indigenous breed of poultry.
21. Write any two names of exotic breed of poultry.
22. Which virus caused fowl pox disease in poultry?
23. Which bacteria caused Botulism disease in poultry?
24. Which poultry disease is also called as limberneck?
25. Which is the slandered size of egg?

**Que-2. Attempt the following.**

1. Describe *Trepanoma pallidum* with the help of their types?
2. Describe general characteristics of *Mycobacterium tuberculosis*.
3. Explain principles of poultry breeding.
4. Give an account on management of breeding stock.
5. Give an account on management of broilers.
6. Describe American class of poultry.
7. Describe in detail damage caused by *Helicoverpa armigera*.
8. Describe life cycle of *Pyrilla purpusilla*.
9. Describe life cycle and biological control of *Callosobruchus chinensis*.
10. Describe life cycle and biological control of *Sitophilus oryzae*.

11. Define parasite and give an account of different types of parasites found in or on the host.
12. Define host and give an account of different types of hosts of the parasites with suitable examples.
13. Give an account of definitive and intermediate hosts.
14. Define Zoonosis and describe in detail zoonotic diseases.
15. Give an account of Life cycle of Lac insect.

**Que-3: Attempt the following.**

1. Write note on commensalism.
2. Write note on reservoir host.
3. Nature of damage of pulse beetle.
4. Write note on tuberculosis.
5. Write egg preservation methods used at farm level.
6. Write note on Spirocheates.
7. Write note on transmission and preventive measures of Syphilis.
8. Difference between latent and active TB infection.
9. Commercial methods of egg preservation.
10. Write note on ectoparasite.
11. Write note on intermediate host.
12. Write note on life cycle of pulse beetle *Sitophilus oryzae*.
13. Describe life cycle of *Tribolium castaneum*.
14. Write note on damage caused by *Pyrrilla purpusilla* and give their control measures.
15. Describe life cycle of *Helicoverpa armigera* with suitable diagram.

16. Write note on sanitation in poultry farming.
17. Sign and symptoms of active TB.
18. Environmental management in poultry house.
19. Write note on nutritive value of milk products.
20. Write note on management of broiler in poultry breeding.
21. Write a note on coccidiosis.
22. Write note on fowl pox.
23. Write note on botulism.
24. Write note on avian flu.
25. Give an account of Symptoms, transmission and preventive measures of mastitis.
26. Write note on Cattle plague-Bovine typhus (Rinder pest).
27. Write note on foot and mouth disease of livestock.
28. Write note on parasitism.
29. Describe HSV (Herpes Simplex Virus).
30. Write note on symptoms, transmission and preventive measures of *Reckettisia prowazekii*.
31. Give an account of economic importance of Lac insect.

