

**B. Sc. (Part-II) Semester- IV (CBCS)
ZOOLOGY**

Question Bank : Reproductive Biology Paper-VII May: 2023

Q. 1) Select the correct answer from each of the following and rewrite the sentence:

1. Testosterone secreting cells of testis are.....

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|------------------------|------------------------------|
| a) Follicular cells | c) spermatocytes |
| b) Leydig cells | d) cells of tunica albugenia |

2. Antrum of mature follicle is filled with.....

- | | |
|----------------------------|----------------------|
| a) Estrogen | c) Progesterone |
| b) Liquor folliculi | d) Uterine secretion |

3. Corpus luteum is found in.....

- | | |
|-----------------|--------------|
| a) Kidney | c) testis |
| b) Ovary | d) pituitary |

4. Menstruation is the bleeding in.....

- | | |
|-----------------------|---------------|
| a) Ovary | c) Myometrium |
| b) Endometrium | d) Pituitary |

5. Seminiferous tubules are present in.....

- | | |
|-----------|------------------|
| a) Kidney | c) Testis |
| b) Ovary | d) Endometrium |

6. Leydig cell also called.....

- | | |
|-----------------------------|-----------------|
| a) Estrogen | c) Progesterone |
| b) Interstitial cell | d) Semen |

7. Corpus albicans is present in.....

- | | |
|--------------|-----------------|
| a) Testis | c) ovary |
| b) Pituitary | d) Thyroid |

8. Sertoli cells are present in.....

- | | |
|------------------|----------|
| a) Uterus | c) ovary |
| b) Testis | d) liver |

9. Period of menstrual cycle in human is

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|-------------------|------------|
| a) 20 days | c) 40 days |
| b) 28 days | d) 25 days |

21. Each ovary is attached to the dorsal body wall by.....
- a) Cartilage c) Discus proligerous
b) **Mesovarium** d) All above
22. Male condom prevents.....
- a) Spermiation c) Transmission of AIDS
b) **Pregnancy** d) **Both b and c**
23. Copper T is implanted in
- a) Ovary c) Oviduct
b) Ureter d) **Uterus**
- 24) Seminal fluid is secreted by.....
- a) Adrenal gland c) **Prostate gland**
b) Pancreas d) Gastric gland
- 25) Human chorionic gonadotropin in urine is the basis of diagnosis of
- a. **Pregnancy** c) Chorion
b) Endometrium d) None of the above
- 26) Human sperm has head, neck, middle piece and
- a) **Tail** c) Antrum
b) Bladder d) Hilum
- 27) The function of copper-T is
- a) Respiration c) Checks mutation
b) **Prevention of pregnancy** d) Excretion
- 28) The onset of menstrual cycle is called
- a) Menopause c) Aging
b) **Menarche** d) Mean period
- 29) Site of fertilization is.....
- a) Ovary c) Uterus
b) Vagina d) **Fallopian tube**
- 30) Corpus luteum produces.....
- a) GH c) **Progesterone**
b) MSH d) ADH
- 31) The coiled and longest part of the male reproductive system is.....
- a) Vas deferens c) Urethra
b) **Epididymis** d) Ejaculatory duct

- 32) One spermatogonium produces sperms.
 a) One c) Two
 b) Three d) **Four**
- 33) The structural and functional unit of the testis is.....
 a) Nephron c) Uriniferous tubule
 b) **Seminiferous tubule** d) Leyding cell
- 34) In vasectomy the duct which is cut and tied is.....
 a) Urethra c) **Vas deferens**
 b) Ejaculatory duct d) Duct of seminal vesicle
- 35) When Graffian follicle filled with fluid and form cysts, the disorder is called
 a) Down's syndrome c) Goitre
 b) Dwarfism d) **Polycystic ovarian disease**
- 36) The process of fertilization of egg and sperm outside the mother's womb is called.....
 a) **In vitro fertilization** c) Ovulation
 b) Spermiation d) Gastrulation
- 37) Corpus luteum is also called
 a) Secondary follicle c) Primordial germ cells
 b) Atretic follicle d) **Yellow body**
- 38) Semen is stored in frozen state at.....
 a) 196 °C c) **Minus 196°C**
 c) 125°C d) Minus 125°C
- 39) More secretion of prolactin is called.....
 a) Gigantism c) **Hyperprolactenimia**
 b) Hypogonadism d) Orchitis
- 40) Medical termination of pregnancy is called.....
 a) Implantation c) IUCD
 b) Vasectomy d) **Abortion**
- 41) The placing of sperm inside the uterus is called
 a) GIFT c) ET
 b) **PROST** d) **IUST**
- 42) The process of formation of sperm from spermatid is called
 a) **Spermiogenesis** c) Spermiation
 b) Fertilization d) Oogenesis
- 43) The process of attachment of blastocyst to the endometrial layer of uterus is called.....
 a) Ovulation c) Stigma formation
 b) **Implantation** d) Menstruation
- 44) The middle layer of myometrium is called.....
 a) **Stratum vascular** c) Stratum subvascular
 b) Stratum supravascular d) Stratum basalis
- 45) Estrogen formation occurs in
 a) **Steroidogenesis** c) Cytogenesis
 b) Glycogenesis d) None of these

- 46) The active life of ovum after ovulation is
- a) 72 hours c) **12-24 hours**
 b) 140 hours d) 420 hours
- 47) The outer most layer of mature follicle is
- a) **Theca externa** c) Germinal epithelium
 b) Corona radiata d) Cumulus oophorus
- 48) The unmaturred primordial germ cells get degenerated are called.....
- a) Gestation c) Parturition
 b) Let down effect d) **Atresia**
- 49) The master endocrine gland of body is
- a) Gonad c) **Pituitary gland**
 b) Thyroid gland d) Adrenal gland
- 50) The neurohypophysis is also called
- a) Adrenal gland c) Anterior lobe of Pituitary gland
 b) Thymus d) **Storage bag of hormone**

Q. 2) Attempt following questions.

- 1) Define endocrine gland. Describe various hormones & their role secreted by anterior lobe of pituitary gland.
- 2) Describe hormones of posterior lobe of pituitary gland.
- 3) Describe histological structure of human ovary.
- 4) Describe folliculogenesis.
- 5) Describe formation and regression of corpus luteum.
- 6) Describe histology of human uterus.
- 7) Describe menstrual cycle in human.
- 8) Describe process of fertilization in human.
- 9) Describe mechanism of parturition and its hormonal regulation.
- 10) Describe histological structure of human testis.
- 11) Describe causes and Control of infertility in woman.
- 12) Describe causes and Control of infertility in man.
- 13) Describe in vitro fertilization.
- 14) Describe intra uterine contraceptive devices in references with Copper-T and Lippes loop.
- 15) Describe sterilization operation vasectomy in man.

Q. 3) Attempt short notes.

1. Gonadotropic hormone
2. Oxytocin
3. Fallopian tubes
4. Graafian follicle
5. Ovulation
6. Corpus luteum
7. Ovum (fertilized) transport in the fallopian tubes
8. Penetration of ovum
9. Hormonal control of implantation
10. Pregnancy diagnosis
11. Hormonal regulation of pregnancy
12. Hormonal regulation of lactation
13. Epididymes
14. Seminal vesicle
15. Spermatogenesis
16. Structure of sperm.
17. Sperm transportation in male reproductive tract
18. Causes of infertility in male
19. Causes of infertility in female
20. In vitro fertilization
21. Intra cytoplasmic sperm injection.
22. Zygote intrafallopian transfer
23. Male condom
24. Copper-T
25. Oral contraceptives
26. Vasectomy in male

27. Tubectomy in female
28. Prostate glands
29. Seminal vesicles
30. Capacitation of sperm