

**Sir Cv Raman Coaching Centre –
Idappadi, Salem -637101**

**XII -Zoology First Term Model Question
Paper -2026**

Total Mark ; 50m, Time ; 3 Hrs

**Prepared By
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SECTION – A (10 X 1 = 10 M)

Choose The Correct Best Answer

1. The mode of sexual reproduction in bacteria is by

- a) Formation of gametes
- b) Endospore formation c) Conjugation
- d) Zoospore formation

2. In which type of parthenogenesis are only males produced?

- a) Arrhenotoky b) Thelytoky
- c) Amphitoky d) Both a and b

3. The male sex hormone testosterone is secreted from

- a. Sertoli cells b. Leydig cell
- c. Epididymis d. Prostate gland

4. The male homologue of the female clitoris is

- a. Scrotum b. Penis c. Urethra d. Testis

5. Painful menstruation is termed as

- a. Dysmenorrhoea b. Menorrhagia
- c. Amenorrhoea d. Oligomenorrhoea

6. Identify the correct statements from the following

- (a) Chlamydia is a viral disease.
- (b) Gonorrhoea is caused by a spirochaete bacterium, *Treponema palladium*.
- (c) The incubation period for syphilis is 2 to 14 days in males and 7 to 21 days in females.
- (d) Both syphilis and gonorrhoea are easily cured with antibiotics.

7. A contraceptive pill prevents ovulation by

- (a) blocking fallopian tube
- (b) inhibiting release of FSH and LH
- (c) stimulating release of FSH and LH
- (d) causing immediate degeneration of released ovum

8. Which one of the following groups includes sexually transmitted diseases caused by bacteria only?

- (a) Syphilis, gonorrhoea and candidiasis
- (b) Syphilis, chlamydia and gonorrhoea
- (c) Syphilis, gonorrhoea and trichomoniasis
- (d) Syphilis, trichomoniasis and pediculosis

9. Select the incorrect action of hormonal contraceptive pills from the following

- (a) Inhibition of spermatogenesis.
- (b) Inhibition of ovulation.
- (c) Changes in cervical mucus impairing its ability to allow passage and transport of sperms.
- (d) Alteration in uterine endometrium to make it unsuitable for implantation

10. Colostrum is rich in

- a. Ig E b. Ig A c. Ig D d. IgM

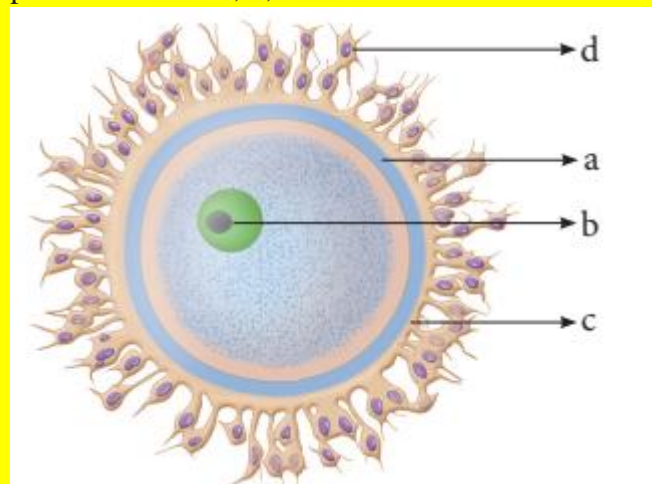
Section – B (5 X 2 = 10 M)

Answer Any Five Questions

11. Name an organism where cell division is itself a mode of reproduction

12. Which type of reproduction is effective - Asexual or sexual and why?

13. Identify the given image and label its parts marked as a, b, c and d



14. Expand the acronyms a. FSH b. LH

15. How are STDs transmitted?

16. Which method do you suggest the couple to have a baby, if the male partner fails to inseminate the female or due to very low sperm count in the ejaculate?

17. What is haplodiploidy?

18. What is male heterogamety?

Section – C (5 X 3 = 15 M)

Answer Any Five Questions

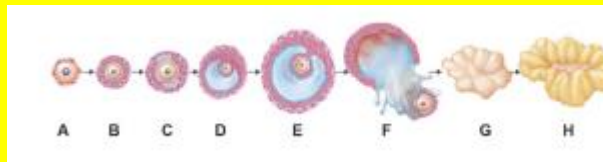
19. Distinguish between heterogametic and homogametic sex determination systems

20. What is criss-cross inheritance?

21. Differentiate foeticide and infanticide

22. Write the preventive measures of STDs

23. The following is the illustration of the sequence of ovarian events (a-i) in a human female.



24. What is the composition of semen?

25. Differentiate between the following:

External and Internal fertilization

26. Why is the offspring formed by asexual reproduction referred as a clone?

Section – D (3 X 5 = 15 M)

Answer Any Three Questions

27.a) Explain binary and multiple fission
(or)

b) Explain the various phases of the menstrual cycle.

28.a) Explain Birth control method any one method
(or)

b) Explain ultra sound scanning

29. a) Explain the genetic basis of ABO blood grouping in man.
(or)

b) Explain the mode of sex determination in honeybees.

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