

Salem District - 2019.

U. THIRUVARUR
MSc (Ed) (Ph.D)
Physics.

FMS

FIRST MID TERM TEST - 2019
ZOOLOGY**12 - STD**

TIME : 1.30 Hrs.

Marks : 50

I Choose the correct answer.

8 X 1 = 8

1. The mode of reproduction in bacteria is by
a) formation of genes b) endosperm formation
c) conjugation d) zoo spore formation
2. In which mode of reproduction variations are seen
a) asexual b) parthenogenesis c) sexual d) A and B
3. The male sex hormone testosterone is secreted from
a) sertoly cells b) leydig cell
c) epididymis d) prostate gland
4. Colostrum is rich in
a) IgE b) IgA c) IgD d) IgM
5. A contraceptive pill prevents ovalution by
a) blocking fallopian tube
b) inhibiting release of FSH and LH
c) stimulating release of FSH and LH
d) causing immediate degenerating of relaxed ovum
6. Pataus syndrome is also referred to as
a) 13 - Trisomy b) 18 Trisomy
c) 21 - Trisomy d) none of these
7. ABO blood group in man is controlled by
a) multiple alleles b) lethal genes
c) sex linked genes d) Y - linked genes
8. mRNA molecule is produced by
a) replication b) Transcription c) Duplication d) Translation

II Answer any six questions.**6 X 2 = 12**

9. Name the anticodon required to recognize the following codons :

AAU, CGA, UAU and GCA.

10. What is Lyomisation?

11. Differentiate facticide and infanticide?

12. What are holandric genes?

13. Write the preventive measures of STD's?

14. Draw a labelled sketch of a spermatozoan?

15. What is inhibin? State the functions?

16. What is parthenogenesis? Give two examples from animals?

17. Define - Multiple fission?

III Answer any 5 questions.**5 x 3 = 15**

18. What is the difference between syngamy and fertilization?

19. Explain the role of oxytocin and relaxin parturition and lactation.

20. Expand the acronyms a) FSH b) LH c) hCG d) hPL.

21. What is amniocentesis? Why a statutory ban is imposed on this techniques?

22. Explain the sexual Transmitted disease : i) Gonorrhoea ii) Syphilis.

23. What are the applications of Karyotyping?

24. Explain : One gene - One polypeptide chain hypothesis?

IV Answer in brief the following questions.**3 X 5 = 15**

25. Explain DNA Replication. (OR)

What are the special characters Genetic codons?

26. Explain the genetic basis of ABO blood grouping man. (OR)

Inheritance of X - linked genes through colour blindness - Prove.

27. Explain the viral sex transmitted disease. (OR)

What is menstrual cycle? Explain the various phases of the menstrual cycle.