

**XII** - Std  
Time : 1.30 Hrs

**PREPARATORY REVISION TEST - 2021**  
**ZOOLOGY** *SALEM*



Marks : 50

**SECTION - A**

8 X 1 = 8

**I Answer all the questions.**

1. In which type of parthenogenesis are only males produced?  
a) Arrhenotoky      b) Thelytoky      c) Amphitoky      d) Both a and b
2. The Androgen Binding Protein (ABP) is produced by  
a) Leyding cells      b) Hypothalamus  
c) Sertoli cells      d) Pituitary gland
3. Match the following.  
a) Amnion      -      i) Part of the Urinary bladder  
b) Chorion      -      ii) Source of blood cells  
c) Yolk sac      -      iii) Formation of placenta  
d) Allantois      -      iv) Regulates foetal temperature  
a) a - iv, b - ii, c - iii, d - i  
b) a - i, b - iii, c - iv, d - ii  
c) a - ii, b - iii, c - iv, d - i  
d) a - iii, b - iv, c - i, d - ii
4. Identify the correct statements from the following.  
A contraceptive pill prevents ovulation by  
a) blocking fallopian tubes      b) inhibiting release of FSH and LH  
c) stimulating release of FSH and LH      d) causing immediate degeneration of released ovum
5. Placenta tissue is tested for chromosomal abnormalities in .....  
a) In vitro fertilisation      b) GIFT  
c) ZIFT      d) Chorionic villus sampling
6. Co - dominant blood group is  
a) A      b) AB  
c) B      d) O
7. ABO blood group in man is controlled by  
a) multiple alleles      b) lethal genes  
c) sex linked genes      d) y - linked genes
8. Kin selection is in .....  
a) Honey bee      b) Cockroach  
c) Grass hopper      d) Moth

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**SECTION - B**

**II Answer any six of the following questions.**

6 X 2 = 12

9. Why is the offspring formed by asexual reproduction referred as a clone.
10. What is the composition for semen?
11. Mention the significance of Epididymis in the testis?
12. Expand the following : i) ZIFT ii) ICSI
13. What is chronic villus sampling?
14. Why are sex linked recessive characters more common in the human beings?
15. Why do we call Haemophilia as Bleeder's disease?
16. What is pedigree analysis?

**SECTION - C**

**III Answer any five of the following questions. Question No. 18 is compulsory.**

5 X 3 = 15

17. Differentiate between complete parthenogenesis and incomplete parthenogenesis.
18. Draw a labelled sketch of a spermatozoan?
19. Comment on "cryptorchism"?
20. What is amniocentesis? Why a statutory ban is imposed on this technique?
21. Differentiate between ZIFT and GIFT.
22. What are the applications of Karyotyping?
23. What is erythroblastosis foetalis?
24. What is tubectomy?

**SECTION - D**

**IV Answer all the questions.**

3 X 5 = 15

25. Elaborate the process and types of parthenogenesis.

(OR)

Give a schematic representation of spermatogenesis and Oogenesis in humans?

26. What are the strategies to be implemented in India to attain total reproductive health?

(OR)

Describe the various birth control methods?

27. Explain the inheritance of sex linked characters in human being?

(OR)

Explain the genetic basis of blood grouping Man.