

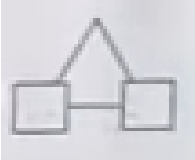
# Tamil Nadu 2026 Class 12 Zoology(Set A) Question Paper

Time Allowed :3 Hour	Maximum Marks :70	Total Questions :21
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## General Instructions

- The total duration of the examination is 3 hours (180 minutes).
- Candidates are allotted 15 minutes for reading the question paper and verifying their particulars.
- The maximum marks for the theory paper is 70.
- Check the question paper for fairness of printing. If there is any lack of fairness, inform the Hall Supervisor immediately.
- Use Blue or Black ink to write and underline, and use a pencil for drawing diagrams.
- The question paper consists of four parts (Part I, II, III, and IV).
- Part I is compulsory and contains multiple-choice questions.
- Internal choices and "answer any x out of y" options are provided in Parts II, III, and IV.
- Diagrams should be drawn wherever necessary and labeled neatly.
- Scientific calculators and other electronic gadgets are strictly not allowed.

1. This pedigree symbol represents:



- (A) Male
- (B) Monozygotic twins
- (C) Mating
- (D) Dizygotic twins

2. Select the incorrect action of hormonal contraceptive pills from the following:

- (A) Changes in cervical mucus impairing its ability to allow passage and transport of sperms
- (B) Inhibition of spermatogenesis
- (C) Alteration in uterine endometrium to make it unsuitable for implantation
- (D) Inhibition of ovulation

**3. Statement I: Castration (or) surgical removal of testis is known as Orchidectomy.**

**Statement II: It leads to difficulty in urination.**

- (A) Statement I and Statement II are not correct.
  - (B) Statement I and II are correct.
  - (C) Statement I is not correct and Statement II is correct.
  - (D) Statement I is correct and Statement II is not correct.
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**4. \_\_\_\_\_ is/are an ideal disinfectant for waste water.**

- (A) Boiling
  - (B) U-V Rays
  - (C) Ozonisation
  - (D) Chlorination
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**5. Assertion (A): In nature many organisms produce clones through asexual reproduction.**

**Reason (R): By this process, genetically identical individuals are produced.**

- (A) Both Assertion and Reason are false.
  - (B) Assertion is true, but Reason is false.
  - (C) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
  - (D) Both Assertion and Reason are true and Reason explains Assertion correctly.
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**6. The relationship between sucker fish and shark is \_\_\_\_\_.**

- (A) Predation
  - (B) Competition
  - (C) Parasitism
  - (D) Commensalism
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**7. Allergy involves:**

- (A) IgA
  - (B) IgE
  - (C) IgM
  - (D) IgG
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**8. The wings of birds and butterflies is an example of:**

- (A) Divergent evolution
  - (B) Adaptive radiation
  - (C) Variation
  - (D) Convergent evolution
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**9. The most common substrate used in distilleries for the production of ethanol is**

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- (A) Molasses
  - (B) Soya meal
  - (C) Corn meal
  - (D) Groundgram
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**10. The term “Niche” was first used by -----.**

- (A) John Ray
  - (B) Charles Darwin
  - (C) Jordon
  - (D) Charles Elton
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**11. Hershey and Chase’s experiment with bacteriophage showed that:**

- (A) DNA contains radioactive sulphur.
  - (B) Protein gets into the bacterial cells.
  - (C) Viruses undergo transformation.
  - (D) DNA is the genetic material.
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**12. Which of the following groups of diseases have been controlled by the use of vaccines and by creating awareness among the people?**

- (A) Small pox, amoebiasis, diphtheria, tetanus.
  - (B) Small pox, polio, diphtheria, tetanus.
  - (C) Small pox, AIDS, diphtheria, tetanus.
  - (D) Small pox, common cold, diphtheria, tetanus.
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**13. In which type of Parthenogenesis are only males produced?**

- (A) Arrhenotoky
  - (B) Thelytoky
  - (C) Amphitoky
  - (D) Both (a) and (c)
- 

**14. Find out the wrongly matched pair.**

- (A) Y-chromosome - 231 genes
  - (B) Chromosome-1 - 2968 genes
  - (C) Dystrophin - 2.4 million bases
  - (D) Human genome - 300 bases
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**15. Which one of the following are at higher risk of extinction due to habitat destruction?**

- (A) Amphibians
  - (B) Mammals
  - (C) Echinoderms
  - (D) Birds
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