

**SUBJECT CODE: 15ZL/AC/GZ24**

**B. Sc. DEGREE EXAMINATION, APRIL 2019**

**BRANCH V.A. – PLANT BIOLOGY & PLANT BIOTECHNOLOGY  
SECOND SEMESTER**

**COURSE : ALLIED – CORE**  
**PAPER : GENERAL ZOOLOGY – II**  
**TIME : 3 HOURS** **MAX.MARKS: 100**

**SECTION – A**

**ANSWER ALL THE QUESTIONS**

**(10 x 3 = 30)**

**1. Fill in the blanks:**

- a. \_\_\_\_\_ is a collection of beehives.
- b. \_\_\_\_\_ is the causative agent of Cholera.
- c. Kearns –Sayre syndrome is an example of \_\_\_\_\_ inheritance.

**2. Match the following:**

- a. Albinism – “X “linked inheritance
- b. Huntington disease – Inborn error of metabolism
- c. Haemophilia – Nerve cell breakdown.

**3. Define the following:**

- a. Pisciculture      b. Lethal Genes      c. Innatebehaviour
- 4. Name the tools of Apiary.
- 5. List the symptoms of Filariasis.
- 6. Draw the diagrammatic representation of Spermatogenesis.
- 7. Draw and label the blastula of Frog.
- 8. Differentiate Mutualism from Commensalism.
- 9. **State true or False**
  - a. The causative agent of enterobiosis is *Wuchereriabancrofti*.
  - b. Birds have microlecithal eggs.
  - c. Hypertrichosis is an example of “Y “linked inheritance.
- 10. What is meant by lactose intolerance?

**SECTION – B**

**ANSWER ANY FIVE QUESTIONS**

**(5 x 6 = 30)**

**(Draw diagrams wherever necessary)**

- 11. Enumerate the by-products of fishing industry.
- 12. Comment on the mode of transmission, symptoms and control of amoebiasis.
- 13. Explain the process of gastrulation in frog.

14. What is meant by polygenic inheritance? Explain it with skin colour in man as an example.
15. Explain courtship behaviour in animals.
16. Write short notes on any six types of learning.
17. Write the significance of genetic counselling.

**SECTION – C**

**ANSWER ANY TWO QUESTIONS**

**(2 x 20 = 40)**

**(Draw diagrams wherever necessary)**

18. Give an account on the culture of Indian Major Carps.
19. Describe the various types of placentation in mammals.
20. What is multiple allelic inheritance? Elucidate in detail with human blood groups as an example.
21. Discuss various abnormal behaviours and their causes in domestic and zoo animals.

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