

**B-24-Y**

Roll No.....

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

**XIIARJKUT23**

**9124-Y**

**ZOOLOGY**

**(Biology)**

Time : 1½ Hours]

[Maximum Marks : 35

**SECTION-A**

**(OBJECTIVE TYPE QUESTIONS)**

**1 each**

1. ✓ Expand the term 'MTP'.
2. ✓ The chromosomes are located on small units called 'Genes'.  
(True/False)
3. ✓ ....., the causative agent of Malaria is carried by Anopheles.

(Fill in the blank)

4. ✓ Name a volatile alkaloid present in Tobacco.

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Turn Over

### SECTION-B

(VERY SHORT ANSWER TYPE QUESTIONS) 2 each

5. ✓ What are the points of difference between 'GIFT' and 'ZIFT' ?
6. ✓ Enlist the symptoms of Typhoid.
7. ✓ What is the function of Endonucleases ?

*Or*

Give the application of genetically Engineered Insulin.

### SECTION-C

(SHORT ANSWER TYPE QUESTIONS) 3 each

8. Draw a well labelled diagram of a T.S. of a Human Ovary.
9. ✓ What are the steps involved in DNA Fingerprinting ?
10. ✓ Explain briefly Hardy-Weinberg equilibrium.
11. ✓ What is a Malignant tumour ? Write about some available treatments against Cancer.
12. ✓ What are 'Bio-safety issues' ?

*Or*

Give an account of Gene-cloning.

**SECTION-D**

**(LONG ANSWER TYPE QUESTIONS)**

5 each

13. What is Sexual Reproduction ? Describe the process of gamete formation in human males.

*Or*

✓ Define Uni-parental Reproduction. Explain any *three* modes of asexual reproduction in the animal world.

14. What do you understand by Inheritance of Characters ? What is the pattern of inheritance of colour blindness in humans ?

*Or*

✓ Define a Syndrome. Discuss the Klinefelter's and Turner's Syndromes.