

B-24-X

Roll No.

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

XIIARJKUT23

9124-X

ZOOLOGY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

SECTION-A

(OBJECTIVE TYPE QUESTIONS)

1 each

1. Expand the term 'MTP'.
2. The last and only chromosome pair in humans is called 'Autosome'.

(True/False)

3. The causative agent of 'Filariasis' is

(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 Parasites ? Add a note on Ascariasis in humans.
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. Explain the various Mendelian disorders found in humans.

Or

Discuss the sex-determination mechanisms found in birds and honeybees.