

**B-4-Y**

Total No. of Questions : 11]

**XIIKDRO/N19**

**24804-Y**

**ZOOLOGY**

**(Biology)**

Time : 1½ Hours]

[Maximum Marks : 35

(Long Answer Type Questions)

5 each

1. What are Chromosomal disorders ? Explain Down's syndrome in human beings.

*Or*

Describe in brief the modern synthetic theory of evolution.

2. Define Gametogenesis. Explain in brief with diagrammatic representation the stages of Spermatogenesis.

*Or*

With the help of neat and labelled diagram describe in brief human male reproductive system.

XIIKDRO/N19-24804-Y

Turn Over

**B-4-Y**

**(Short Answer Type Questions)**

3. Name any ~~three~~ assisted reproductive techniques in human beings and add a note on any one of them.
4. What is Adaptive radiation? Give one example in support of your answer.
5. Write a short note on drug abuse.
6. Write down the application of gene therapy and insulin in human beings

**(Very Short Answer Type Questions)**

2 each

7. What do you mean by MTP? Give its significance.
8. What are Vestigial organs? Give one example.
9. Give the cause and symptoms of Ringworm.
10. What is Cloning?

**(MCQ/Objective Type Questions)**

1 each

11. Do as directed

- (i) The cancer of Epithelial cells is called :
  - (A) Leukemia
  - (B) Lipoma
  - (C) Carcinoma
  - (D) Sarcoma

(Choose the correct one)

XIICDRO/N19-24804-Y

**B-4-Y**

**(Short Answer Type Questions)**

3. Name any three assisted reproductive techniques in human beings and add a note on any one of them. 3 each
4. ~~What is Adaptive radiation ? Give one example in support of your answer.~~
5. Write a short note on drug abuse
6. Write down the application of gene therapy and insulin in human beings

**(Very Short Answer Type Questions)**

2 each

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( 3 )

- (i) Write down the scientific name of Honey bee
- (ii) Klinefelters syndrome is due to ..... of chromosomes.  
(Fill in the blank)
- (iv) Expand the term 'ZIFT'.
- (v) Ontogeny recapitulates phylogeny. (True/False)

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