

**B-4-Y**

Roll No. *.....*

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

**XIIBASZNJD20**

**1804-Y**

**ZOOLOGY**

**(Biology)**

**Time : 1½ Hours]**

**[Maximum Marks : 35**

**(Long Answer Type Questions)**

**5 each**

1. What do you mean by Birth Control ? Describe in brief *four* methods to control growing population in our country.

*Or*

What is Reproduction ? Explain any *three* methods of asexual reproduction with diagram.

2. Explain the inheritance pattern of Haemophilia and Colour Blindness.

*Or*

What is Evolution ? Explain Darwin's theory of natural selection.

XIIBASZNJD20—1804-Y

Turn Over

**B-4-Y**

**(Short Answer Type Questions)**

3 each

3. Differentiate between fragmentation and budding.
4. Explain the mechanism of sex-determination in birds. -
5. What is AIDS ? Give the preventive measures of AIDS.
6. Explain in brief the application of Human Insulin.

**(Very Short Answer Type Questions)**

2 each

7. Give the role of Placenta.
8. What do you mean by Homologous Organs ?
9. What are Pathogens ? Give *one* example.
10. Define Gene therapy. Give its significance.

**(MCQ/Objective Type Questions)**

1 each

11. Do as directed :

(i) The ovum released from ovary is first conducted by :

- (A) Vagina
- (B) Cervical canal
- (C) Uterus
- (D) Fallopian tube

(Choose the correct one)

( 3 )

(ii) Alcohol is depressant/stimulus. (Choose the correct one)

(iii) Give scientific name of Silk moth.

(iv) The cranial capacity of Homo-erectus was 800-1100 cc.

(Yes/No)

(v) Which process is used to identify crime ?

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