

D-4-Z

Roll No.....

Total No. of Questions : 11]

[Total No. of Printed Pages : 3

12thRKDO18

20304-Z

Zoology

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

(Long Answer Type Questions)

5 each

1. What do you mean by Reproductive Health ? Write down the significance of Reproductive Health in a society.

Or

Describe the sequence of events from Zygote till the implantation of human blastocyst in the Uterus.

2. Explain Founder's effect and Bottleneck effect in brief.

Or

What is DNA-fingerprinting ? Who developed this technique ? Add a short note on principle of DNA-fingerprinting.

Turn Over

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D-4-Z

3 each

(Short Answer Type Questions)

3. Draw a well labelled diagram of microscopic anatomy of testis.
4. Explain in brief Down's Syndrome.
5. Write a short note on color blindness in human beings.
6. Write down the causes of Filariasis.

2 each

(Very Short Answer Type Questions)

7. Define the terms Spermatogenesis and Oogenesis.
8. What is the significance of "Lac" ?
9. What do you mean by "Biosafety Issues" ?
10. What is the significance of "Vaccine Production" ?

1 each

(Objective Type Questions/MCQ)

11. Do as directed :

(i) Expand the terms IVF and STD.

(ii) The first theory of evolution was put forward by :

- (a) August Weismann
- (b) Jean Baptiste de Lamarck
- (c) Alfred Russel Wallace
- (d) Charles Darwin

(Choose the correct one)

(iii) Tobacco contains a volatile alkaloid called

(Fill in the blank)

(iv) Humoral Immune System is made up of B lymphocytes.

(True/False)

(v) Retrovirus (a special type of RNA virus) is used as a vector in Gene therapy.

(Yes/No)