

12thRKDO18

20304-X

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-X

(Short Answer Type Questions)

3 each

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.

(Very Short Answer Type Questions)

2 each

7. Define the terms Spermatogenesis and Oogenesis.
8. What do you mean by Pathogens and Parasites ?
9. What do you mean by 'Gene therapy' ?
10. What is Cloning ?

(Objective Type Questions/MCQ)

1 each

11. Do as directed :

- (i) Expand the term ZIFT and GIFT.
- (ii) Who amongst the following proposed the theory of origin of species by Natural Selection ?

- (a) August Weismann
- (b) Hugo de-Vries
- (c) Charles Darwin
- (d) Alfred Wallace

(Choose the correct one)

- (iii) Alcohol is a "stimulant". (Yes/No)
- (iv) Less response of a drug to a specific dose with repeated use is called (Fill in the blank)
- (v) Formation of "Clone" of genetically identical cells derived by division of a single parent cell is called "Gene Cloning". (True/False)