

D-4-A

Roll No.....

Total No. of Questions : 14]

[Total No. of Printed Pages : 3

XIIARKDN20

2004-A

ZOOLOGY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

Section-A

(Objective Type Questions)

1 each

Note :- Do as directed.

1. Failure of testes to descend in serotum is known as

(Fill in the blank)

2. First atmosphere of the earth mainly consisted of H₂S.

(True/False)

3. Oncogene is :

- (A) Promoter Gene
- (B) Inducer Gene
- (C) Cancer Causing Gene
- (D) Jumping Gene

(Choose the correct one)

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Turn Over

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(2)

4. What is one word substitution for :
“The formation of copies of a particular gene” ?

Section-B

(Very Short Answer Type Questions)

2 each

5. Write down the mis-use of Amniocentesis.
6. Write a short note on Gene Therapy.
7. What do you mean by Downstream Processing ?

Or

Write a brief note on Fed Batch Fermentation.

Section-C

(Short Answer Type Questions)

3 each

8. Define Asexual Reproduction. Explain any *three* types of Asexual reproduction in brief. <https://www.jkboseonline.com>
9. Write down the goals of Human Genome Project.
10. Write down at least *three* differences between Turner's and Klinefelter's syndrome.
11. Write down symptoms and preventive measures of Amoebiasis.

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12. How does tobacco smoking lead to oxygen deficiency ?

Or

Write down the points of difference between Innate and Acquired Immunity.

Section-D

(Long Answer Type Questions)

5 each

13. What are assisted reproductive techniques practised to help infertile couples ? Describe any *two* of them in brief.

Or

What are Contraceptives ? Explain in brief mode of action, advantages and disadvantages of hormonal contraceptives.

14. What do you mean by Sex-Determination ? Explain in brief various methods of sex-determination in animals.

Or

What do you mean by Genetic Disorders ? Describe any *two* of them.

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