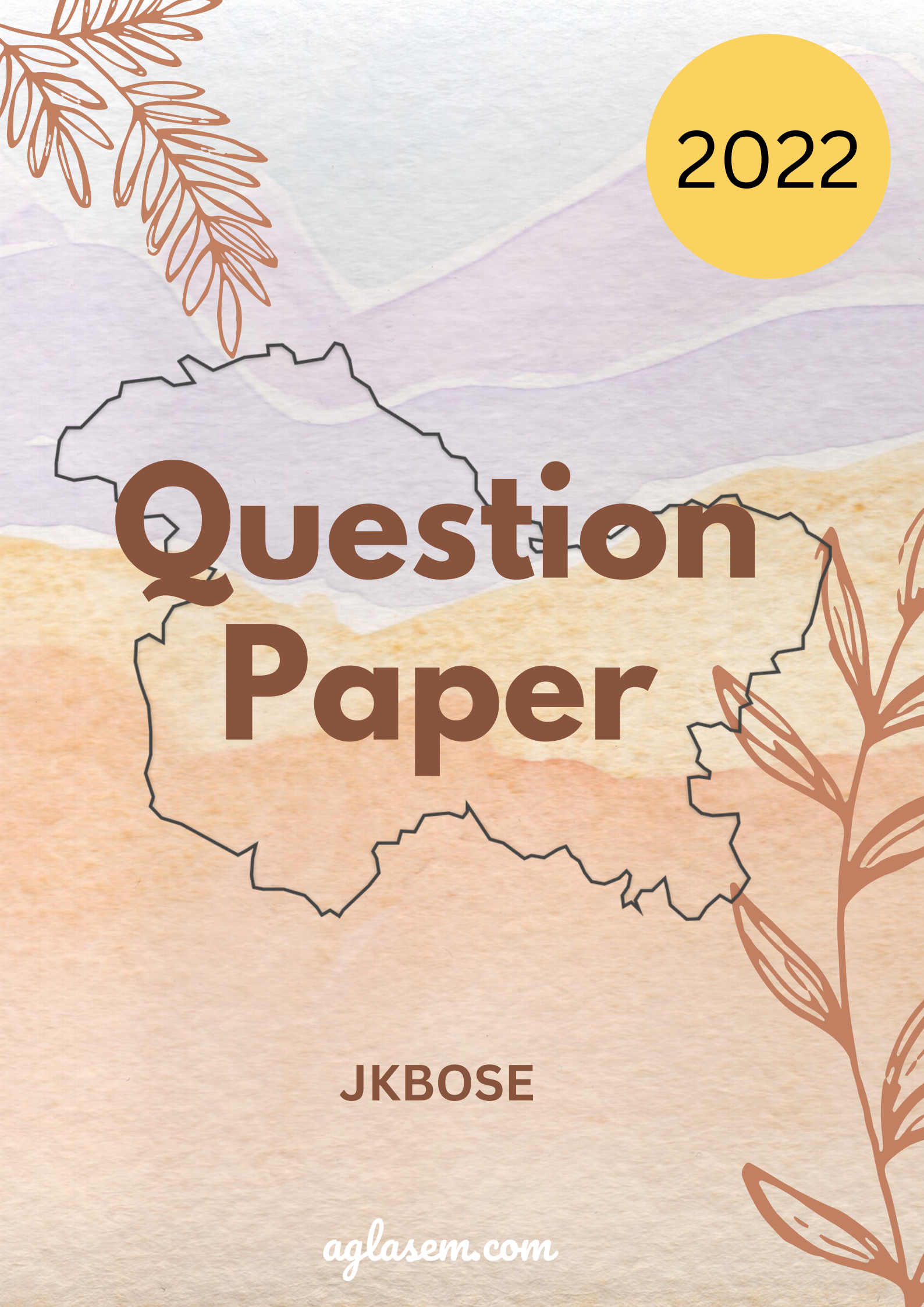




2022

Question Paper

JKBOSE

aglasem.com

Roll No.....

A-4-A

[Total No. of Printed Pages : 3]

Total No. of Questions : 14]

12thSZARJD22

6004-A

ZOOLOGY

(Biology)

[Maximum Marks : 35]

Time : 1.15 Hours]

Section-A

(Objective/MCQ/Do as directed)

1 each

1. Antrum is cavity of :

(A) Ovary

~~(B)~~ Graffian follicle

(C) Blastula

(D) Gastrula

(Choose the correct one)

2. Name the causative organism of Filariasis.

3. Technique used to create Dolly sheep is called :

(A) Nuclear transplantation

- (B) Cytoplasmic transplant
- (C) Protoplasmic transplant
- (D) Gene transplant

(Choose the correct one)

4. What is the other name given to Biopatenting ?

Section-B

(Very Short Answer Type Questions)

2 each

- 5. Give at least two differences between primary and secondary Oocyte.
- 6. What are the applications of DNA fingerprinting ?
- 7. Give the points of difference between Down's and Turner's syndrome. <https://www.jkboseonline.com> (At least two points)

Or

Give at least two examples related to environmental determination of sex and how ?

Section-C

(Short Answer Type Questions)

3 each

- 8. With the help of a diagram explain the microscopic anatomy of testis.
- 9. Explain in brief Hardy Weinberg's principle.
- 10. Write down the points of difference between specific and non-specific immunity.

(3)

11. Write down the symptoms of HIV infection and the test used to diagnose HIV.
12. Write down the applications of gene therapy.

Or

Write a short note on Cloning.

Section-D

(Long Answer Type Questions)

5 each

13. Define Fertilization. Write a short note on sequence of events in embryo development upto Blastocyst formation.

Or

Describe in brief hormonal control of menstrual cycle in females.

14. Explain in brief modern synthetic theory of evolution.

Or

What do you mean by Evolution ? Add short notes on Ramapithecus and Australopithecus.