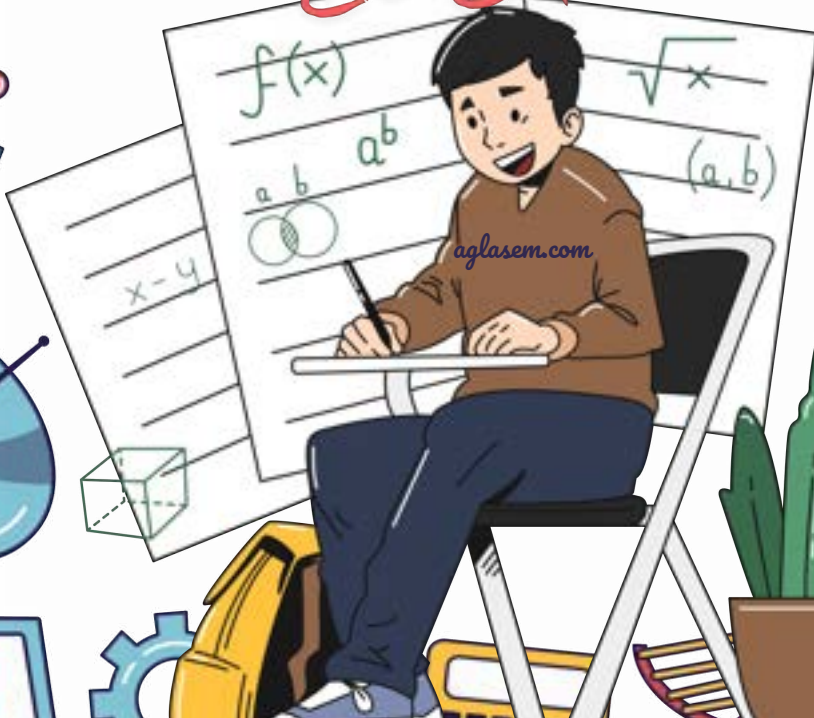




JKBOSE QUESTION PAPERS

Jammu & Kashmir Board of School Education

2024



B-11-X

Roll No.....

Total No. of Questions : 16]

[Total No. of Printed Pages : 4

12thARM(SZ)JKUT2024

, 1111-X

ZOOLOGY

(Biology)

Time : 1½ Hours]

[Maximum Marks : 35

General Instructions :

This question paper contains four Sections :

(i) **Section-A** contains *five* Very Very Short Answer Type Questions of 1 mark each. $1 \times 5 = 5$ marks

(ii) **Section-B** contains *five* Very Short Answer Type Questions of 2 marks each to be answered in **20-30** words.

$2 \times 5 = 10$ marks

(iii) **Section-C** contains *five* Short Answer Type Questions of 3 marks each to be answered in **100-150** words. $3 \times 5 = 15$ marks

(iv) **Section-D** contains *one* Long Answer Type Question to be answered in **150-200** words. $1 \times 5 = 5$ marks



SECTION-A

(VERY VERY SHORT ANSWER TYPE QUESTIONS) 1 each

1. Site of fertilization in mammals is :

(A) Ovary

(B) Uterus

(C) Vagina

☒ (D) Fallopian tube

2. Trisomic condition is represented as :

☒ (A) $2n + 1$ (B) $2n - 2$ (C) $2n + 2$

(D) None of these

3. Inheritance is controlled by Multiple alleles in :

(A) Colour-blindness

(B) Sickle cell anaemia

(C) Phenyl ketonuria

(D) Blood group



4. 'AZT' is used in treatment of :

(A) Malaria

☒ (B) AIDS

(C) T.B.

(D) Kala-Azar

5. The process of vaccination was discovered by :

☒ (A) Edward Jenner

(B) Robert Koch

(C) Louis Pasteur

(D) Von-Behring



SECTION-B

(VERY SHORT ANSWER TYPE QUESTIONS)

2 each

6. What do you mean by 'Amniocentesis' ?

7. What is Placenta ? Write down its functions.

8. What are Darwin's finches ?
9. Write down preventive measures of 'Hepatitis'.
10. What do you mean by 'Biosafety Issues' ?

SECTION-C

(SHORT ANSWER TYPE QUESTIONS)

3 each

11. Draw a well labelled diagram of Microscopic anatomy of testis.
12. Write a short note on colour blindness in human beings.
13. Write down the applications of Gene therapy.
14. Explain the term 'MTP' in brief.
15. Write a short note on drug abuse.



SECTION-D

(LONG ANSWER TYPE QUESTIONS)

5

16. What do you mean by 'DNA Fingerprinting' ? Explain in brief 'Human Genome Project' and its significance.

Or

Explain Hardy-Weinberg's principle. Add a note on adaptive radiation.

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