

[B-11-X]

Roll No.....

Total No. of Questions : 16]

[Total No. of Printed Pages : 4

12thARF(SZ)JKUT2024-25

311-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. $5 \times 1 = 5$ marks

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SECTION-A

(VERY VERY SHORT ANSWER TYPE QUESTIONS) 1 each

1. Which one is found in males only ?
(A) X-Chromosome
(B) Y-Chromosome
(C) 2X-Chromosome
(D) None of these
2. Name the evolutionary of man with brain capacity 900 C.C.
3. The Trisomic condition is represented as :
(A) $2X + 1$
(B) $2X - 1$
(C) $2X + 2$
(D) $2X - 2$
4. The causative agent of Filariasis is (Fill in the blank)
5. Providing a functional gene to overcome a defective gene.

(Substitute one word)

(3)

SECTION-B

(VERY SHORT ANSWER TYPE QUESTIONS) 2 each

6. Write down the functions of oxytocin hormone in human females.
7. Write short note on adaptive radiation.
8. How is sex determined in Human beings ?
9. What do you mean by Biosafety issues ?
10. Give the applications of genetically engineered insulin.

SECTION-C

(SHORT ANSWER TYPE QUESTIONS) 3 each

11. With the help of diagram explain the microscopic anatomy of Testis.
12. Write short note on Gene flow and Genetic drift.
13. Write a short note on Turner's Syndrome.
14. Write a short note on Drug abuse.
15. How sexual diseases can be prevented ?

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SECTION-D

(LONG ANSWER TYPE QUESTIONS)

5

16. Explain the need of Reproductive Health. Also add a note on medical termination of pregnancy.

Or

Describe human male reproductive system with the help of diagram.