



Roll No.....

Total No. of Questions : 16]

[Total No. of Printed Pages : 4

12thARF(SZ)JKUT2024-25

311-Z

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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Turn Over

(2)

SECTION-A

(VERY VERY SHORT ANSWER TYPE QUESTIONS) 1 each

1. The permissible use of technique amniocentesis is for :
(A) Detecting any genetically abnormality
(B) Detecting sex of unborn foetus
(C) Artificial insemination
(D) Transfer of embryo into the uterus of surrogate mother
2. Name the evolutionary of man with brain capacity 900 C.C.
3. The Trisomic condition is represented by :
(A) $2X + 1$
(B) $2X - 1$
(C) $2X + 2$
(D) $2X - 2$
4. The causative agent of Amoebic dysentery is

(Fill in the blank)

5. Providing a functional gene to overcome a defective gene.

(Substitute one word)

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SECTION-B

(VERY SHORT ANSWER TYPE QUESTIONS) 2 each

6. Differentiate between Tubectomy and Vasectomy.
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. What steps are involved in DNA fingerprinting.
13. Write a short note on Klinefelter's Syndrome.
14. Write a short note on Drug abuse.
15. How sexual diseases can be prevented ?

(4)

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.

aglasem