

Roll No.

B-11-Y

Total No. of Questions (16)

[Total No. of Printed Pa

12th ARM(SZ)JKUT2024

1111-Y

ZOOLOGY

(Biology)

Time : 1 1/2 Hours]

[Maximum Ma

General Instructions :

This question paper contains four Sections :

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

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

$2 \times 5 = 10$

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

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

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male

4. *Wuchereria bancrofti* is a/an

(A) Annelid

(B) Protozoa

(C) Nematode

(D) None of these

5. The process by which an infection leads to disease is called

(A) Vaccination

(B) Pathogenesis

(C) Virulence

(D) None of these

SECTION-B

(VERY SHORT ANSWER TYPE QUESTIONS)

6. Give two points of difference between Endometrium and Myometrium. →

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SECTION-A

(VERY VERY SHORT ANSWER TYPE QUESTIONS) 1

1. Which of the following is responsible for functional maturation of sperms ?
 - (A) Testes
 - (B) Epididymis
 - (C) Vas deferens
 - (D) None of these

2. Which of the following is caused by Drug Toxicity ?
 - (A) Protanopia (Red color blindness)-
 - (B) Tritanopia (Blue color blindness)
 - (C) Deuteranopia (Green color blindness)
 - (D) All of these

3. In case of a reptile (*Chrysiemia piela*) what determines the sex for

7. Write a short note on Morula.
8. Explain the term terminalization in brief.
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

1. 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.