

QP CODE: 24900267



Reg No:.....

Name:.....

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
FIRST SEMESTER MGU-UGP (HONOURS) REGULAR
EXAMINATION NOVEMBER 2024

First Semester

Discipline Specific Core Course - MG1DSCZGY100, MG1DSCZIM100

INTRODUCTION TO ZOOLOGY

(2024 ADMISSION ONWARDS)

Duration: 1.5 Hours

Maximum Marks: 50

**Remember (K), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C), Interest (I),
Appreciation (Ap), and Skill (S)**

*Students should attempt atleast one question from each course outcome to enhance their overall
outcome attainability.*

[Learning Domain][CO No(s)]

Part A

Fill in the blanks

Answer all questions

Each question carries 1 mark

- | | | | |
|---|--|-----|-----|
| 1 | Male weaver birds build multiple nests to attract _____ as part of their courtship behavior. | [U] | [1] |
| 2 | Centre for Cell and Molecular Biology is located at | [K] | [3] |
| 3 |is a by-product of mulberry cultivation, said to be effective in lowering blood pressure. | [U] | [4] |
| 4 | In mammals the primary care giving roles is given by _____ | [K] | [2] |
| 5 | Egg yolk is used as an-----in mayonnaise. | [U] | [4] |
| 6 | When different individuals specialized to perform specific tasks that benefit the group is ----- | [K] | [1] |
| 7 | earthworms are well suited for Vermiculture | [K] | [3] |

- | | | |
|----|---|---------|
| 8 | The winged reproductive adults that leave a termite colony to form a new colony is called as..... | [K] [1] |
| 9 | Faking is used in the context of mating for..... | [K] [2] |
| 10 | is the production and emission of light by living organisms. | [K] [1] |

(10 × 1 = 10)

Part B

Short Answer Type Questions

Answer any **10** questions

Each questions carries **2 mark**

- | | | |
|----|--|---------|
| 11 | Discuss the ecological impacts of Noctiluca blooms . | [U] [1] |
| 12 | Describe the feeding behaviour of adult velvet spiders. | [U] [2] |
| 13 | How can researchers predict the health of an ecosystem by analysing the diversity of earthworms in the soil? | [U] [3] |
| 14 | What is Vermiwash? | [K] [4] |
| 15 | Explain structural colouration with an example. | [U] [2] |
| 16 | How group living reduces predation risk? | [K] [1] |
| 17 | Name any four value added products from poultry. | [U] [4] |
| 18 | Name any two fishery research institutes in India. | [A] [3] |
| 19 | Can pearl be used as an ecological indicator? Substantiate. | [U] [1] |
| 20 | Why is basking significant in the parental care of African pythons? | [U] [2] |
| 21 | Describe the duties of a Wildlife Biologist/Researcher. | [U] [3] |
| 22 | What entrepreneurial possibilities exist in pet boarding and daycare services for zoologists? | [U] [4] |

(10 × 2 = 20)

Part C

Short Essay Type Questions

Answer any 5 questions

Each question carries 4 marks

- | | | |
|----|--|---------|
| 23 | Discuss the process of comb construction in bees. | [U] [1] |
| 24 | Beehive is the pinnacle of biological architecture'. Substantiate the statement. | [U] [1] |

- 25 Describe the advantages of mimicry. [U] [2]
- 26 Discuss the role of mimicry in shaping biodiversity [U] [2]
- 27 What are the main by-products of dairy farming that contribute to career opportunities? [U] [3]
- 28 In what ways can dairy farmers diversify their income through value-added products? [U] [4]
- 29 Briefly describe the products and by products of Aquaculture. [U] [4]

(5 × 4 = 20)

END OF THE QUESTION PAPER
