

MAHATMA GANDHI UNIVERSITY, KOTTAYAM MGU-UGP (HONOURS)
FIRST SEMESTER PRACTICAL EXAMINATION
Model Question Paper- November 2024
(2024 ADMISION ONWARDS)
MG1DSCZGY100– INTRODUCTION TO ZOOLOGY (PRACTICAL)

Duration: **2 hrs.**

Maximum Marks: **35**

Part A - [Understand] [CO-5]

Each question carries **1 mark**

(1 mark x 4= 4)

- I. *Identify given spotters by their generic name***
(Honey bee/ Octopus/ Termite/ Chameleon / Butterfly/ Peacock/ Angler fish)- *ANY 2*
- II. *Identify the organism based on its nest/home- ANY 2***
(Honey bee colony/ Termite colony/ Ant colony/ Weaver bird nest/ Spider nest)

Part B - [Understand] [CO-5]

Each question carries **2 mark**

(2 marks x 6= 12)

- I. *Comment on the organism's architecture in nest building - ANY 2***
(Honey bee colony/ Termite colony/ Ant colony/ Humming bird nest)
- II. *Comment on the ecological or behavioral adaptation of the given organism - ANY 4***
Noctiluca /Star fish/ Octopus / Firefly/ Angler fish/ Water bug/ Chameleon / Butterfly/
Leaf Insect/ Sea Horse/ Darwin's Frog/ Python/ Sea horse/ Otter/ Velvet spider/
Hummingbird

Part C - [Apply] [CO-5]

(5 marks x 1= 5)

Report submission- Research institute

Part D - [Understand] [CO-5]

(4 marks)

Viva

(*Career, entrepreneurial exposure, research, filed visit*)

Part E -[Remember] [CO-5]

(10 marks)

Record

MAHATMA GANDHI UNIVERSITY, KOTTAYAM

MGU-UGP (HONOURS) FIRST SEMESTER EXAMINATION

(2024 ADMISION ONWARDS)

MG1DSCZGY101 – Biological Basis of Behaviour 1

Practical Model Question Paper

Duration: 2 hrs

Maximum Marks: 35

Certified Record 10 mark

1. Identify, arrange in chronological order & comment on brain evolution - 6 Marks

a) Identification and chronological order: 3 marks

b) Comment on brain evolution: 3 marks

(Diagrams can be provided)

(Understand) (CO: 1)

2. Sketch and label the parts of a neuron - 4 Marks

a) Sketch: 2 marks

b) Labelling Any four important parts: 2 marks

(Understand) (CO: 2)

Or

Identify and comment on the given type of neuron (4 mark)

Myelinated, nonmyelinated, Unipolar, Bipolar, multipolar

(Can use Diagrams or models for identification)

Identification: 1 mark

Comment: 3 mark

(Understand) (CO: 2)

3. Identify and the part of the forebrain, midbrain, hindbrain or part of limbic system and comment on its function– 4 Marks

(provided diagram/model)

(Forebrain : cerebral cortex, Frontal lobe, , Occipital lobe, Thalamus

Midbrain: Superior colliculus, Inferior colliculus

Hindbrain: Pons, Medulla oblongata, Cerebellum

Limbic system: Amygdala, Hippocampu , Hypothalamus, Thalamus)

(Understand) (CO: 3)

4. Identify and comment on the Cranial nerve provided - 4 mark

(provided diagram/model)

1st, 2nd, 8th, 9th or 10th Cranial nerve

Or

Identify two parts of Spinal cord from the C.S of Spinal cord given – 4 Marks
(provided diagram/model) (Understand) (CO: 4)

5. Demonstrate the conduction of action potential using Physio Ex software– 7 Marks
(Apply) (CO: 2)