

LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034**B.Sc. DEGREE EXAMINATION – ADVANCED ZOOLOGY AND BIOTECHNOLOGY****THIRD SEMESTER – APRIL 2023****UAZ 3501 – ANIMAL PHYSIOLOGY AND BIOCHEMISTRY**

Date: 02-05-2023

Dept. No.

Max. : 100 Marks

Time: 01:00 PM - 04:00 PM

SECTION A**Answer ALL the Questions****1. Definitions (5 x 1 = 5)**

a) Digestion	K1	CO1
b) Respiratory quotient	K1	CO1
c) Nissl bodies	K1	CO1
d) Acromegaly	K1	CO1
e) Apo and holoenzyme	K1	CO1

2. Fill in the blanks (5 x 1 = 5)

a) _____ are the organisms that engulf fluid food through the body surface.	K1	CO1
b) The enzyme carbonic anhydrase is present in _____ cells.	K1	CO1
c) The _____ is the stroke volume of heart.	K1	CO1
d) The _____ is the structural and functional unit of kidney.	K1	CO1
e) The hormone oxytocin is secreted by _____	K1	CO1

3. Match the following (5 x 1 = 5)

a) Bile	-	Saltatory conduction	K2	CO1
b) Chlorocruorin	-	Enzyme	K2	CO1
c) Myelin sheath	-	Pigment	K2	CO1
d) Hypotonic	-	Emulsifier	K2	CO1
e) Active site	-	Endosmosis	K2	CO1

4. True or False (5 x 1 = 5)

a) Absorption of nutrients takes place in oesophagus.	K2	CO1
b) Fresh water animals excrete dilute urine.	K2	CO1
c) Hormones are chemical messengers secreted by glands.	K2	CO1
d) The breakdown of glycogen is called glyconeogenesis.	K2	CO1
e) Enzymes are made up of amino acids.	K2	CO1

SECTION B

