

Extra

FYBSc. Semester-I Examination

VCD-27/11/19

Course-1 USZO101

Zoology I

All questions are compulsory

Figures to the right indicate full marks

Draw neat labelled diagram wherever necessary

Time- 3hrs

Total marks-100

Q.1.A) Fill in the blanks.

5 Marks

1. Echolocation is used by _____.

(dogs, crow, bat)

2. _____ enzyme takes part in bioluminescence.

(Luciferase, Peroxidase, Hydrolase)

3. Biodiversity is the degree of _____ of life.

(similarity, variation, authenticity)

4. _____ is a space where living and non-living components interact.

(Ecosystem, Atmosphere, Hydrosphere)

5. Kiran Mazumdar Shaw was the chairperson of _____.

(Gadre fisheries, Biocon, Merc)

B) Match the columns.

5 Marks

1. Lok biradari prakalp

a) Western Ghats

2. Dr. Salim Ali

b) Egg laying Mammal

3. Goa

c) Bird man of India

4. Brood parasitism

d) Baba Amte

5. Platypus

e) Cuckoo

C) Write true or false.

5 Marks

1. Eastern Ghats are a part of Biodiversity hotspot.

2. Dr. Varghese Kurien started the white revolution in India

3. Glow worm exhibits bioluminescence

4. Camels are adapted for aquatic life.

5. Platypus is a viviparous mammal.

D) Answer in one sentence.

5 Marks

1. Name the biodiversity hotspots in India.

2. What is the full form of IUCN?
3. What is a Gene Bank?
4. Name few Awards won by Dr Salim Ali.
5. What is cryopreservation?

Q.2. Answer The Following (any two)

20 Marks

- a) Write a note on echolocation in Bats.
- b) Explain pearl formation in mollusca.
- c) Describe Mimicry in butterflies.
- d) Explain parental care in kangaroo and sea horse

Q.3. Answer The Following (any two)

20 Marks

- a) Describe any one biodiversity hotspot.
- b) Enumerate and Explain threats to biodiversity.
- c) Explain indirect use value of biodiversity.
- d) Explain man animal conflict with example.

Q.4. Answer The Following (any two)

20 Marks

- a) Describe the work and achievements of Kiran Mazubdar Shaw.
- b) Explain Lok Biradari Prakalp and Anandwan Project.
- c) Give details of work and achievements of Varghese Kurian.
- d) Give the life sketch of Anna Hazare.

Q.5. Answer The Following (any 4)

20 Marks

- a) Describe mechanism of Bioluminescence.
- b) Explain coral reefs.
- c) Explain parental care in Tilapia.
- d) Direct use of biodiversity
- e) Explain species diversity
- f) Give details of In situ conservation
- g) What is surimi?
- h) Brief introduction of Anna Hazare.