



**SHRI S. H. KELKAR COLLEGE OF ARTS, COMMERCE AND SCIENCE, DEVGAD.
(SINDHUDURG)**

SEMESTER I EXAMINATION, NOVEMBER 2023

COURSE: ZOOLOGY PAPER-I

USZO101

CLASS: FYBSC

DURATION: 3 Hours

MAX. MARKS:100

- N.B.** (1) All questions are compulsory.
(2) Figures to the right indicate marks for respective sub questions.
(3) Attempt the questions in sequence.
(4) Draw **neat labeled diagrams** wherever necessary.

Q.1) Multiple choice Questions

20

A Fill in the blanks by choosing correct alternative.....

05

- i) Echolocation mechanism is used by the animals like
a) deers in forest b) aquatic amphibians c) Porpoises & dolphins d) terrestrial cats
ii) Bioluminescence in Noctiluca is generated due to oxidation of
a) luciferon b) luciferin c) luciferase d) glucose
iii)] In Sindhudurg district, is a world-famous biodiversity hotspot.
a) Devgad mango cultivations and Sea shore b) Narendra Hill in Sawantwadi
c) Amboli d) Phondaghat forest
iv) Cryopreservation is a type of biodiversity conservation.
a) *in-situ* b) *ex-situ* c) gene bank d) zoological garden
v) The man responsible for white revolution in India was
a) Baba Amte b) Rajendra Singh c) Anna Hajare d) Verghese Kurian

1. B. Match the Following

05

- | A | B |
|------------------------|---------------------------------|
| i) Baba Amte | Atoll |
| ii) Surimi | Anandvan |
| iii) Gir National Park | Aesthetic value of biodiversity |
| iv) Ecotourism | Gujrat |
| v) Coral reef | Deepak Gadre |

C. Say whether true or false...

05

- i) Camel can survive for a long period without food because of its hump.
ii) Elephant is egg laying Mammal.
iii) The term Biodiversity was derived by W.G. Rosen.
iv) Indian Wild life protection act was introduced in 1962.
v) Autobiography -"The fall of a Sparrow" was written by Baba Amte

D. Answer in one sentence each....

05

- i) Who is the Water man of India
ii) Write the abbreviation of AMUL.
iii) Critically endangered animals are included in which schedule of Indian Wild life protection act.
iv) Define biodiversity Hotspot
v) Name any two types of Coral reef.



Q.2 A) Explain in detail Parental care in Mammals with reference to Kangaroo. 10
OR

A) Give an account of coral reef formation & add a note on its types.

B) Write short notes on any TWO of the following. 10

- a) Ovo -viviparity in Guppy
- b) Bioluminescence in Angler fish
- c) Coral reef formation
- d) Regeneration in wall lizard

Q3 A] Give an account of Genetic and Species Diversity 10
OR

A] Explain in detail direct and indirect values of Biodiversity.

B] Explain any TWO of the following: 10

- a) Scope of Biodiversity
- b) In situ conservation
- c) Gene bank and Cryopreservation.
- d) Man wild life conflict

Q .4 A] Give a detail account of any two of the following.. 20

- a) Work and achievements of Dr. Varghese Kurian
- b) Dr. Khorana and genetic code
- c) Achievements of Dr. Salim Ali
- d) Anna Hazare and Ralegansiddhi

Q 5 Write Short notes on any four of the following 20

- a. Baba Amte and Anandwan project
- b. Biocon
- c. Ecolocation in bat
- d. Mechanism of Bioluminescence
- e. Western ghat hotspot
- f. Surimi based value added products
