

GUJARAT UNIVERSITY

**B.Sc. SEMESTER-III
SYLLABUS
Sub- ZOOLOGY**

(National Education Policy-2020)

W.E.F. June-2024

GUJARAT UNIVERSITY
MULTIDISCIPLINARY/INTERDISCIPLINARY COURSE-
THEORY
B.Sc. SEMESTER-III ZOOLOGY
MDC-234 T (2-CREDITS)
(Economic Zoology and Wild life Biology)

Unit: 1 Economic Zoology

1. Sponge Industry and Economic importance of sponges,
2. Vermiculture,
3. Pearl culture in brief
4. Fresh water Prawn culture,
5. Lac culture.

Unit: 2 Wild life Biology

1. Scopes & Importance of wild life in India.
2. Brief account on wild life in India.
3. Wild life Conservation and Protection (Animal Projects and Acts) - Project Lion, Project Elephant, Wild life Protection act 1972 & its amendments.
4. Brief Introduction of Indian Board for Wild Life (IBWL), Convention on International Trade in Endangered Species of wild fauna and flora (CITES) and Bombay Natural History Society (BNHS).
5. 1. Biodiversity hot spots in India- the Western Ghats, the Himalayas, the Indo- Burma region, and Sundaland region.
2. Key stone species in India – Location, Distribution and Description of Star fish, Elephant, Sea otter, Sun bird.
6. Protected areas in India – Jim Corbett, Kaziranga, Sundarbans, Bharatpur, Periyar, Dachigam.

Reference Books :

1. Economic zoology: Shukla G.S. and Upadhyay V.B. 1998, Rastogi
2. Publication, Meerut.
3. Handbook of Economics Zoology - Jawaid Ahsan, Subhash

Prasad Sinha

4. Text book of Invertebrates, N Arumugam, Saras Publication
5. Indian Wildlife, Srilanka, Nepal, APA Publications.
6. Wildlife of India, Mark E. Trisch, HarperCollins Pub.
7. Threatened Animals of India, B.K. Tikader, ZSI, Calcutta.
8. Natural Heritage of Gujarat (Forest & Wildlife), Singh, H. S. 2001,
9. GEER Foundation, Gandhinagar.

GUJARAT UNIVERSITY
MULTIDISCIPLINARY/INTERDISCIPLINARY COURSE-
PRACTICAL
B.Sc. SEMESTER-III ZOOLOGY
MDC-234 P (2-CREDITS)

- **Economic Zoology** – Study through charts/ models/ multimedia.
 1. Sponge Industry & Economic Importance of Sponges.
 2. Vermiculture
 3. Pearl Culture
 4. Prawn Culture
 5. Lac Culture
- **Wild Life Biology** – Study through harts/models/multimedia.
 6. Biodiversity hot spots in India- the Western Ghats, the Himalayas, the Indo- Burma region, and Sundaland region – Spotting on Map, Location, Distribution and Description.
 7. Key stone species in India – Location, Distribution and Description of Star fish, Elephant, Sea otter, Sun bird.
 8. Protected areas in India – Jim Corbett, Kaziranga, Sundarbans, Bharatpur, Periyar, Dachigam. - Spotting on Map, Location, Distribution and Description.