

**VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT**

**T. Y. B. Sc. Semester-V**

**Zoology - Fisheries – E.G.**

**(Revised Syllabus Effective from JUNE - 2022)**

<b>Unit- 1:</b> Natural and cultivated ponds-construction, layout, Management and productivity	<b>(05 Hours)</b>
<b>Unit- 2:</b> Induced breeding methods in major carp	<b>(05 Hours)</b>
<b>Unit- 3:</b> Fish seed collection and transportation	<b>(05 Hours)</b>
<b>Unit- 4:</b> Study of aquarium fishes and its management	<b>(05 Hours)</b>
<b>Unit- 5:</b> Crafts and Gears used in fresh and marine water fisheries	<b>(05 Hours)</b>
<b>Unit- 6:</b> Larvivorous Fishes	<b>(05 Hours)</b>

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<b>Unit -1:</b> Fish migration	<b>(05 Hours)</b>
<b>Unit- 2:</b> Schooling of fish	<b>(05 Hours)</b>
<b>Unit- 3:</b> Electric organs in fishes	<b>(05 Hours)</b>
<b>Unit- 4:</b> Preservation, processing and by-products of fishes	<b>(05 Hours)</b>
<b>Unit -5:</b> Fish pathology: bacterial, fungal, ectoparasitic and protozoan diseases of fishes	<b>(05 Hours)</b>
<b>Unit- 6:</b> Global warming and its effects on Fisheries	<b>(05 Hours)</b>

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## **Reference books: Fisheries – E. G. (Semester – 5 and 6)**

- (1) An Introduction to fishes-S.S.Khanna.
  - (2) Fish and Fisheries of India-V.G.Jhingran.
  - (3) Fish and Fisheries –A.R.Shukla
  - (4) Fish and Fisheries-B.N.Yadav.
  - (5) Ichthyology-Lagler,Bardach,Passino & Miller
  - (6) Fundamentals of Ichthyology-Gupta,Guhalwat,Yadav,Jain
  - (7) Fundamentals of Ichthyology-S.P.Biswas
  - (8) General and Applied Ichthyology-S.K.Gupta,P.C.Gupta.
  - (9) An Introduction to fishes-G.S.Sandhu.
  - (10) Fish Biology-C.B.L.Srivastava
  - (11) A Textbook of Fish Biology and Fisheries- S.S.Khanna and H.R.Singh
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