FISC-101 (Syllabus-2015)

2015

(October)

FISHERY SCIENCE

(Honours)

FIRST PAPER, Paper—1A

(Fish Biology and Taxonomy)

(Theory)

Marks: 56

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer Question No. 1 which is compulsory and any four from the rest

- 1. Write short notes on any three of the following: $4\times3=12$
 - (a) Function of heart in fishes
 - (b) Accessory respiratory organ in Anabas and Clarias species

(c)	Importance of Fishery Science	6.	Explain the following:
(d) (e)	Types of scales in fishes Air bladder and its functions		(a) Poison glands in fishes and their significance
loco	cuss in detail the different types of motion in fish. Describe non-swimming motion in fish. 7+4=11		(b) Mechanism of electric discharge and significance of electric organs of fishes(c) Structure and significance of photophores in fishes
3. Give(a)(b)	Diversity of body forms among fishes 7 Compensation factor involved in	7.	Give a detailed account of colouration in fish. Differentiate between physiological and morphological colour change among fishes. 5+3+3
	diversity of body forms 4 wer/Write about the following: Different types of classification of fish 4 How fishes have evolved? 4 Affinities of fishes 3	8.	Write short notes on any two of the following: 5½×2 (a) Central nervous system of fish (b) Autonomous nervous system of fish (c) Sense of hearing and balance in fish
5. Des	cribe the following : Structure and function of lateral line		***
(b)	Sense of temperature, salinity and touch 5		

4

3

5+3+3=11

51/2×2=11