1/EH-36 (i) (Syllabus-2015)

(2)

2022

(February)

FISHERY SCIENCE

(Honours)

(Fish Biology and Taxonomy)

FIRST PAPER (Paper—1A)

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: $4 \times 3 = 12$
 - (a) Accessory respiratory organs of Clarias batrachus and Heteropneustes fossilis
 - Cutaneous senses of fish
 - Lateral line system of fish
 - Parts of the alimentary canal of fish
 - Non-swimming locomotion in fish

2.	Discuss	the	structure	and	function	of skir	ı in
	fishes.						

- **3.** (a) Describe allopatric and sympatric speciations.
 - Write in brief on evolution of fishes.

3+8=11

11

- **4.** Describe the structure and function of teleostean kidney. 11
- 5. Describe the origin of paired fins. Mention the fin functions. 6+5=11
- **6.** Differentiate between the following : 6+5=11
 - (a) Penaeid prawn and Non-penaeid prawn
 - Median fins and Paired fins
- 7. Give a detailed account of autonomic nervous system of fish. 11
- 8. Write short notes on any two of the following: $5\frac{1}{2} \times 2 = 11$
 - Electric organs
 - Compensation factors
 - Air bladder of fish

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22D**/11** (Turn Over)

22D—PDF**/11** 1/EH-36 (i) (Syllabus-2015)