

5/H-36 (v) (Syllabus-2015)

2 0 1 7

(October)

FISHERY SCIENCE

(Honours)

FIFTH PAPER (Paper—5A)

**(Fishery Technology, Pathology and
Extension Education)**

(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 answers to any three of the
following :** **4×3=12**

**(a) What are the fishing crafts used in
capture fisheries of NE India?**

(b) What is the growth curve of bacteria?

(Turn Over)

(2)

- (c) What are nutritional and intrinsic diseases?
- (d) What are the value-added products of fish?
- (e) What are the vaccines available for control of fish diseases?
2. Describe the different types of fishing gears used in North-East India. Write comments on the importance of the fishing gears in capture fisheries. $8+3=11$
3. Answer the following : $3+4+4=11$
- (a) What is rigor mortis?
- (b) What are the causes of fish spoilage?
- (c) Describe two short-term fish preservation methods.
4. Answer the following : $4+7=11$
- (a) Mention different fungal and bacterial diseases in fish.
- (b) Describe the important therapeutic measures to control fungal and bacterial diseases in fish.

(3)

5. Describe the following : $3+3+5=11$
- (a) Concepts of fisheries extension education
- (b) Teaching methods and aids of fisheries extension education
- (c) Adoption and diffusion of fisheries technology
6. Write on/Answer the following : $4+7=11$
- (a) Mandates of Krishi Vigyan Kendra
- (b) Explain briefly on extension programme planning by KVK.
7. Write briefly on structures of fisheries cooperative societies. Explain the role of the cooperative societies in development of fisheries sector. $6+5=11$
8. Write short notes on any two of the following : $5\frac{1}{2}\times 2=11$
- (a) Fish byproducts
- (b) Fish Farmers Development Agency (FFDA)
- (c) Communication models for fisheries extension education

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