

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

**2 0 1 8**

**( 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) Mention different fish diseases caused  
by bacteria.**

**(b) Write on the role of fishery cooperative  
societies in development of fisheries.**

**( Turn Over )**

( 2 )

- (c) Mention different types of antimicrobial agents used to prevent fish diseases.
- (d) Mention different by-products of fish and its importance.
- (e) What is the meaning of FFDA? Describe the mandate of FFDA.

2. Answer the following :

- (a) Why do we need to preserve fishes?
- (b) Describe in detail about different methods of long-term preservation of fish.

3. Discuss the role of various developmental agencies on the upliftment of the socio-economic conditions of fishermen.

4. Describe the following :

- (a) Common viral diseases of fish in India
- (b) Therapeutic measures to be taken to contain viral diseases

5. Describe the different types of fishing gears used in capture fishery resources with suitable illustrations.

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( Continued )

( 3 )

- 6. (a) Describe the adopter's categories. 6
- (b) Write briefly, common five stages of Roger and Shoemaker model on adaption process in connection with fisheries extension education. 5
- 7. Elucidate about different mechanized fishing vessels used in capture fisheries in India. 11
- 8. Write short notes on any two of the following :  $5\frac{1}{2} \times 2 = 11$ 
  - (a) Qualities of leader in extension education
  - (b) Different communication models
  - (c) Nutritional fish diseases

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