

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

2022

(November)

FISHERY SCIENCE

(Honours)

FIFTH PAPER (Paper—5A)

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

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 :** 4×3=12

(a) Drugs and chemicals used in
aquaculture

(b) Principles of extension education

(2)

- (c) Qualities of good leadership
- (d) Physical methods for determination of freshness of fishes
- (e) Active and passive gears
2. Write a note on the differences between infectious and non-infectious fish diseases. Give an account of different bacterial and fungal diseases in fish. 3+8=11
3. Discuss the structural and functional differences between gram positive and gram negative bacteria. Explain the growth curve of bacteria with diagram. 6+5=11
4. Explain the different processes of smoking. Give an account of post-mortem changes and spoilage of fish. 5+6=11
5. Define participatory rural appraisal (PRA). Write a note on the different methods followed for effective PRA. 2+9=11
6. What is co-operative society? Explain the roles of Fishery Co-operative Societies in India. 2+9=11

(3)

7. Write, in detail, on nutritional and environmental fish diseases. 7+4=11
8. Write, in detail, about the traditional fishing crafts and gears used by the different communities in the North-eastern part of India. 11
