

**2008****M.Sc.****3rd Semester Examination****AQUACULTURE MANAGEMENT & TECHNOLOGY****PAPER—AMT-3003****Full Marks : 40****Time : 2 Hours**

*The figures in the right-hand margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

*Illustrate the answers wherever necessary.*

**(Finfish and Shellfish Pathology)**

**Answer Q. No. 1 and any three from the rest.**

1. Write in brief (any five) : 2×5
- a) Mention the causative agent of EUS and susceptible aquatic species.
  - b) What is 'Red disease' of *P. monodron*.
  - c) Mention the symptoms and control of Lerneosis disease of fish.
  - d) What do you mean by non-infectious disease of fish ? Give one example with causative agent.
  - e) State what is MBV in penacid shrimp ?
  - f) What is alarm reaction ?
  - g) What is columnaris disease of fish ?
  - h) Mention the causative agent and symptoms of "Whirling disease" of fish.

(Turn Over)

2. Answer any *two* of the following : 5×2
- a) What are the behavioural and physical changes of diseased fish.
  - b) Histopathological examinations is the most important tool for fish disease diagnosis. — Discuss.
  - c) Write what you know about Gas bubble disease of IMC.
  - d) Describe Gill fouling disease in Shrimp.
3. Write your idea about fish health management. Why it is necessary in fish culture? Give an outline idea on the health management programme for successful shrimp farming. 2+3+5
4. (a) Enlist bacterial diseases observed in shrimp culture in West Bengal.
- (b) Discuss any two of the bacterial diseases of *P. monodon* with respect to causative agent, symptoms, prophylaxis and treatment. 3+3 $\frac{1}{2}$ ×2
5. (a) Enlist internal and external parasitic diseases of Indian major carps.
- (b) Mention one internal and one external parasitic disease of Carp in respect to symptoms, prophylaxis and treatment. 3+3 $\frac{1}{2}$ ×2
6. Write brief account on the following : 2 $\frac{1}{2}$ ×4
- a) White spot syndrome of shrimp.
  - b) Role of medicated feed in Aquaculture.
  - c) What are stressors? Classify the stressors.
  - d) Write a short note on "piscine tuberculosis".
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