

UNIVERSITY OF CALCUTTA
CITY COLLEGE CENTER
DEPARTMENT OF ZOOLOGY
Examination 2020 [CBCS Syllabus 2018]
ZOOA, SEMESTER – 4 {TH}
SEC(B)-4(1)
(Aquarium Fish Keeping)
Full Marks: 40

*The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words
as far as practicable*

1. Answer *any five* of the following short answer type questions: 5 X 5

- (a) Define Aquaculture.
- (b) What are the benefits of raising ornamental fish?
- (c) What are the necessary components of artificial fish feed?
- (d) Name one National and one State Fishery Institutes of India.
- (e) Write two Strategies for improvement of ornamental fish industry in India.
- (f) Why Carbonate Hardness (KH) is measured for the maintenance of an aquarium?
- (g) Write the common and scientific names of two commercially important indigenous ornamental fishes.
- (h) What do you mean by live-bearers?
- (i) Cite an example of sexual dimorphism in ornamental fishes.
- (j) Name two live fish feed commonly used in aquarium fish keeping.

2. Answer *any three* of the following broad answer type questions: 5 X 3

- (a) Enlighten the seven major steps required for ornamental fish farming. 5
- (b) Briefly describe the process of artificial fish feed production. 5
- (c) Mention the opportunities for self-employment in aquarium fish industry of India. 5
- (d) Enlist the materials required and budgetary allocation to prepare a standard home aquarium. 5
- (e) Add a note on daily aquarium maintenance routine. 5
- (f) Elucidate the social behaviour of any one of the following live-bearer. 5
- (i) Guppy; (ii) Molly; (iii) Swordtail.