



**RAJARATA UNIVERSITY OF SRI LANKA
FACULTY OF APPLIED SCIENCES, MIHINTALE**

**B.Sc. (Special) Degree in Applied Biology
Fourth year – Semester I Examination – April/May 2015**

ZOO 4307 - ORNAMENTAL FISHERIES

Time: Three (03) hours

Answer any six (06) questions only.

1. a) "Although ornamental fisheries sector is well developed in Sri Lanka, only a few number of well established ornamental fish growers occupy this field." Critically analyse this statement giving reasons underline this situation.
b) Suggest the measures that could be adopted to overcome the above mentioned situation.
2. a) Why guppies are considered as one of the suitable ornamental fish for the beginners of ornamental fish keeping?
b) Briefly describe the different varieties of guppies in ornamental fish market.
3. a) Discuss the important factors that should be considered in ornamental fish breeding.
b) Explain stepwise breeding of platy.
4. a) Describe how to construct a concrete tank and to condition it before stocking with ornamental fish.
b) Illustrate the different types of filter media used in aquarium filters.

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5. a) Discuss the factors that should be considered when exporting ornamental fish via air cargo.
b) Explain the packing procedure followed in the exportation of ornamental fish.
6. a) Elucidate different breeding/spawning patterns of egg laying fish.
b) Describe how koi carps are bred from selection of brooders to nurture of larval forms.
7. Write short notes on the following;
 - a) sea anemone fish
 - b) characteristic features of three named tetras
 - c) selection of healthy ornamental fish