

H-4/34(A)/22

Roll No.

IV Semester Examination, 2022**M.Sc.****ZOOLOGY****Paper III****(Aquaculture and Fisheries)**

Time : 3 Hours]

[Max. Marks : 80

Note : All questions are compulsory. Question Paper comprises of 3 sections. Section **A** is objective type/multiple choice questions with no internal choice. Section **B** is short answer type with internal choice. Section **C** is long answer type with internal choice.

SECTION A**1×8=8****(Objective Type/Multiple Choice Questions)***Choose the correct answer :*

1. Which of the suitable for fish forming ?
 (a) Eel (b) Tuna
 (c) Tilapia (d) Sardine
2. Spinal deformities in formed fish occure due to the difficiency of :
 (a) Vitamin A (b) Vitamin C
 (c) Vitamin B (d) Vitamin D

P.T.O.

3. What is the optimum salinity requirement for breeding of macrobrachium malcolmsonii ?
 (a) 10-15 ppt (b) 18-20 ppt
 (c) 12-14 ppt (d) None of these
4. 'Blue revolution' is related with the following :
 (a) Milk production (b) Food grain production
 (c) Fish production (d) Oil seed production
5. Which is cat fish ?
 (a) Clarias botracus (b) Bagarius
 (c) Tanchysurus (d) Mystus seenghala
6. Catla is a :
 (a) Mid water feeder (b) Surface feeder
 (c) Both (a) and (b) (d) Column feeder
7. Ideal rice species for paddy cum fish farming which has strong root system.
 (a) Tulsi (b) Panidhan
 (c) Rajarajan (d) All of these
8. Pearl oyster belongs to class :
 (a) Cephalopoda (b) Palecypoda
 (c) Gastropoda (d) Scaphapoda

H-4/34(A)/22

[3]

SECTION B

6×4=24

(Short Answer Type Questions)

Note : Attempt *one* question from each unit.

Unit-I

1. Write the general characters of Actinopterygii.

Or

Write general characters of Elasmobranch.

Unit-II

2. Write short notes on any one :

(a) Hatching Happa

(b) Dry Bundh Breeding

Unit-III

3. Write notes of composite fish culture.

Or

Preparation of fish aquarium.

Unit-IV

4. Write difference between capture fisheries and culture fishereis.

Or

Write notes any two fish pathogen protozoan.

SECTION C

12×4=48

(Long Answer Type Questions)

Note : Attempt *one* question from each unit.

H-4/34(A)/22

P.T.O.

[4]

Unit-I

1. Describe the evolution and phylogeny of crossopterygii.

Or

Write notes on evolution and phylogeny of elasmobranchi.

Unit-II

2. Write an essay on different types of fishing methon by different net.

Or

Describe construction and maintenance of fresh water fish farm.

Unit-III

3. Describe Integrated fish farming.

Or

Describe sewage fisheries.

Unit-IV

4. Write notes on fish by product.

Or

Describe pearl fishery.

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H-4/34(A)/22

4/50