

FOURTH SEMESTER EXAMINATION 2021-22

M.Sc. ZOOLOGY

Paper - IV

Aquaculture & Fisheries

Time : 3.00 Hrs.

Max. Marks : 80

Total No. of Printed Page : 03

Mini. Marks : 29

Note:- Question paper is divided into three sections. Attempt question of all three section as per direction Distribution of marks is given in each section.

Section 'A'

Very short answer question (in few words)

Q.1 Attempt any six questions from the following : 6x2=12

- (i) What are the three basic characters of the chordales ?
- (ii) What is hypophysation ?
- (iii) What are the factors that influencing the spawning in fishes ?
- (iv) Draw a well lable diagram of hopa.
- (v) Write the names of scales which the found in fishes.
- (vi) What are the importance of zooplankton and Phytoplankton ?
- (vii) What is fish food poisoning ?
- (viii) What is operculum.
- (ix) Draw a well lable diagram of Prototerus.
- (x) What do you mean by air-breathing fishes.

(2)

Section 'B'

Short answer type question (in 200 words)

Q.2 Attempt any four questions from the following :

4x5=20

- (i) Write the affinities of Dipnoi.
- (ii) Write the general characters of Coelocanth.
- (iii) Draw a well lable diagram of Tilapia.
- (iv) Write the salient features of Larvivorus fishes.
- (v) What are the important characters of cultivable fishes.
- (vi) Describe the physical factors of fresh water.
- (vii) Write the characteristics of Pisces.
- (viii) Describe Biological factors which one responsible for Prawn culture.

Section 'C'

Long answer/Essay type question.

4x12=48

Q.3 Attempt any four questions from the following questions :

- (i) Describe the general organization of Holocephali.
- (ii) What do you mean by major carps ? Write the detail characters of Labeo, Catla and Mrigle in responce to fresh-wter fish culture and also draw a well lable diagram of Labeo, Catla and Mrigle.
- (iii) Describe in detail the layout of fish form with well label diagram.
- (iv) What do youmean by paddy-cum fish culture? Explain it in detail.

(3)

- (v) Write the economic importance of fish in detail.
- (vi) Describe the bundh breeding with well label diagram.
- (vii) Explain Pearl culture.
- (viii) Write the physio-chemical factors of marine water that necessary for Prawn-culture.

--00--