

(2)

- (a) What do you mean by Regression Analysis ? 15
- (b) Draw a graphical presentation of Regression Line of the following data :
The body length (X-axis) and length of snout to dorsal fin (Y-axis) of 7 groups of fish of a species is given : 10

Body Length (X)	Length of Snout to dorsal fin (Y)
13.4	8.9
15.1	10.0
15.3	10.1
16.8	11.1
17.5	11.6
19.2	12.6
21.2	14.0

Unit-II

2. Write about Mathematical Modelling. 25

OR

Describe the cycling of nutrients in aquatic ecosystem.

(3)

Unit-III

3. Describe the mechanism of Adaptation. 25

OR

Describe the physiological adaptation of fresh water animals.

Unit-IV

4. Write about Acclimation and Acclimatization and oxygen deficient stress. 25

OR

Describe the physiological mechanism of Regulation of body temperature.
