

NGM COLLEGE (AUTONOMOUS) POLLACHI
END-OF-SEMESTER EXAMINATIONS: MAY-2023

B. Sc-ZOOLOGY

MAXIMUM MARKS: 70

VI SEMESTER

TIME: 3 HOURS

PART III

AQUACULTURE

SECTION – A (10 X1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS

(K1)

1. Aquaculture began in the country of _____
(a) Thailand (b) America (c) China (d) Egypt
2. Which of the following indigenous fish is suitable for polyculture system.
(a) Mrigal (b) Clarias (c) Channa (d) Catla
3. Which country stands first for the pearl production industries.
(a) India (b) Japan (c) Korea (d) China
4. Fishing in deep waters of reservoirs is done using by _____
(a) shaghave jals (b) Gill nets
(c) Scines (d) frag nets
5. Dropsy is caused by-----
(a) Bacteria (b) Virus (c) Fungal (d) Parasite

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. What is Blue Revolution?
7. Backwater system is otherwise known as----
8. List any two exotic fishes in India
9. What is rancidity?
10. Define transgenic fish.

SECTION – B **(5 X 4 = 20 MARKS)**

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Describe the scope and importance of aquaculture in India.
(OR)
b) List the various adaptations in fishes.

(CONT'D....2)

12. a) Give a short note on marine aquaculture.
(OR)
b) Write about the hypophysation and its role in fish breeding.
13. a) Describe the commercial and medicinal importance of Indian marine oil sardine fish.
(OR)
b) Explain the methods and techniques of pearl culture.
14. a) Discuss the fishing boats of Tamil Nadu.
(OR)
b) Write a short note on fishing gears.
15. a) What are the basic requirements needed to setup an aquarium?
(OR)
b) Comment on the role of fishes in mosquito control.

SECTION – C**(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS.****(16TH QUESTION IS COMPULSORY AND ANSWER ANY THREE
QUESTIONS FROM Q.NO: 17 TO 21)****(K4) OR (K5)**

16. Enumerate in detail the aquatic fish culture methods and its economic importance.
17. Discuss the reproductive system in teleost fish with a neat sketch.
18. Point out and elaborate the different methods of composition and formulation of fish feed.
19. Write an essay on biology of *Catla catla*
20. Give a detailed account of Principles of fish preservation?
21. Describe the major types of disease in fishes.
