

**PART C — (5 × 8 = 40 marks)**

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Discuss the major qualities of culturable organisms.  
Or  
(b) Briefly explain the various types of cultivable organism.
17. (a) Define and describe the integrated fish farming.  
Or  
(b) Explain any one integrated system of the fish farming you have studied. Critically comment on its advantages and disadvantages.
18. (a) Describe the method of culturing Artemia.  
Or  
(b) Discuss the importance of water pollution management in fisheries.
19. (a) Explain the symptoms and treatment of any four bacterial fish diseases.  
Or  
(b) Write an account on any four viral fish diseases.
20. (a) Discuss the role of government and public sector in the preservation of fishes.  
Or  
(b) Describe the fishing methods and crafts common in our country.

**Reg. No. : .....**

**Code No. : 11638 E Sub. Code : JMZO 6 A**

**B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2019.**

**Sixth Semester**

**Zoology — Main**

**Major Elective III — AQUACULTURE**

**(For those who joined in July 2016 onwards)**

**Time : Three hours**

**Maximum : 75 marks**

**PART A — (10 × 1 = 10 marks)**

**Answer ALL questions.**

**Choose the correct answer :**

1. The head quarters for CMFRI is  
(a) Chennai (b) Cochin  
(c) Mandapam (d) Kolkatta
2. Advantages of paddy cum fish culture  
(a) Fish mortality less  
(b) Single labour double income  
(c) Harvest easy  
(d) Rich O<sub>2</sub>



3. The products of aquaculture is called  
 (a) Blue revolution (b) Green revolution  
 (c) Aqua food (d) Sewage
4. Pokkali culture is practiced in  
 (a) Tamil Nadu (b) Kerala  
 (c) Andhra Pradesh (d) Orissa
5. Young oysters are called  
 (a) Spats (b) Rock  
 (c) Rafts (d) Rack
6. 2-4 D is a  
 (a) Weedicide (b) Pesticide  
 (c) Insecticide (d) Helminthicide
7. Sea cucumber belongs to  
 (a) Echinodermata (b) Pisces  
 (c) Sea cow (d) Arthropoda
8. Hexmita is an intestinal  
 (a) Protozoa (b) Trematoda  
 (c) Helminth (d) None of the above
9. Endoparasite in fish  
 (a) Argulus (b) Hemilepsis  
 (c) Lerneae (d) Kigala
10. Suitable pH for fish culture is  
 (a) 6 - 7 (b) 6.5 - 8.5  
 (c) 7 - 9 (d) 5 - 8

PART B — (5 × 5 = 25 marks)  
 Answer ALL questions, choosing either (a) or (b).  
 Each answer should not exceed 250 words.

11. (a) Explain the types of aquaculture in India.  
 Or  
 (b) Explain the scope of aquaculture.
12. (a) Define and describe the monoculture.  
 Or  
 (b) What is fishing gears?
13. (a) Describe the advantages of monosex culture.  
 Or  
 (b) Write short notes on nutritional deficiency diseases in fish.
14. (a) Write short notes on fish preservation.  
 Or  
 (b) What is BOD?
15. (a) Examine and explain the fish feeds.  
 Or  
 (b) Write an essay on fish marketing.

