

(6 pages)

Reg. No. :

Code No. : 10713 E Sub. Code : JMZO 6 A

B.Sc. (CBCS) DEGREE EXAMINATION,
APRIL 2020.

Sixth Semester

Zoology – Main

Major Elective – III — AQUACULTURE

(For those who joined in July 2016 only)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Blue revolution is related to
 - (a) Milk production (b) Egg production
 - (c) Agriculture (d) Aquaculture

2. Example for freshwater prawn
- (a) Penaeus indicus
 - (b) Penaeus monodon
 - (c) Macrobrachium rassenbergii
 - (d) Oreochromis mossambica
3. The chemical used as a substitute for pituitary extract in induced breeding is
- (a) Thyroxine
 - (b) Ovaprim
 - (c) Sodium chloride
 - (d) Lecithin
4. Young ones of Oyster
- (a) Bipinnaria larva (b) Clam
 - (c) Spat (d) Amocoetus larva
5. 'Bheries' fish culture is seen in the state
- (a) Tamil Nadu (b) Kerala
 - (c) Bihar (d) West Bengal
6. Intensive fish culture is related to
- (a) More stocking density
 - (b) Need of technical personal
 - (c) Requirement of supplementary feed
 - (d) All the above

7. Brine shrimp is
(a) Daphnia (b) Spirulina
(c) Artemia (d) Moina
8. Saproleginiasis in fishes is caused by
(a) Bacteria (b) Virus
(c) Fungi (d) Leech
9. CMFRI headquarter is located at
(a) Delhi (b) Mumbai
(c) Chennai (d) Kochi
10. When the P^H is 8, the water quality is _____.
(a) Neutral (b) Acidic
(c) Alkaline (d) None of the above

PART B — ($5 \times 5 = 25$ marks)

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

Each answer should not exceed 250 words.

11. (a) Explain the scope of Aquaculture.
- Or
- (b) Write the characteristic features of culturable organisms.

12. (a) Write short notes on various types of fish ponds.

Or

- (b) Give a brief account on the culture of marine prawn.

13. (a) Describe monosex fish culture.

Or

- (b) Highlight the importance of sewage fed fish culture.

14. (a) How will you prepare the artificial feed for fishes?

Or

- (b) Write a brief account on rotifer culture.

15. (a) Describe the fishing gears used in fish capturing.

Or

- (b) State the objectives and achievements of FFDA.

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Write an essay on Marine aquaculture.

Or

- (b) Give an account on freshwater aquaculture.

17. (a) Describe the induced breeding technology in prawn.

Or

- (b) Write a detailed account on pearl oyster culture.

18. (a) Explain polyculture with suitable example.

Or

- (b) Highlight the importance of paddy cum fish culture.

19. (a) Write the causative agent, symptoms and control measure of bacterial diseases in fishes.

Or

- (b) Write an essay on ectoparasites and endoparasites in fishes.

20. (a) Give an account on fish preservation techniques.

Or

- (b) Write an essay on water quality management in fish culture.
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