

THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION, NOVEMBER 2020

Aquaculture

AQC 3B 05—FISHERIES AND POPULATION DYNAMICS

Time : Two Hours

Maximum : 60 Marks

Section A*Answer at least **eight** questions.**Each question carries 3 marks.**All questions can be attended.**Overall Ceiling 24.*

1. Inland fishing areas of the world.
2. Matsyafed.
3. Minimum legal size.
4. CITES.
5. Marine protected areas.
6. MSY.
7. FADs.
8. NIFPHATT.
9. Mahi-mahi.
10. Ox-bow lakes.
11. Morphoedaphic index.
12. UNCLOS.

(8 × 3 = 24 marks)

Section B*Answer at least **five** questions.**Each question carries 5 marks.**All questions can be attended.**Overall Ceiling 25.*

13. Wadge and Padro bank.
14. Fishing methods in Indian reservoirs.
15. Cephalopod fisheries of India.
16. VBGF.
17. MPEDA.
18. Mudbanks of Kerala.
19. Sport fisheries in India.

(5 × 5 = 25 marks)

Turn over

Section C

*Answer any **one** question.
The question carries 11 marks.*

20. Scope and present status of inland fisheries in India.
21. Potential of marine fishery resources in India.

(1 × 11 = 11 marks)

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AQC 3B 05—FISHERIES AND POPULATION DYNAMICS

Time : Three Hours

Maximum : 80 Marks

I. Answer *all* questions :

A. True or false :

- 1 National research centre on coldwater fishery located at Nainital.
- 2 The term 'Kakabans' are associated with egg collectors.
- 3 'Janos' is associated with a type of fish net trap.
- 4 'Ghanch' is a conical bag net used to catch *Hilsa ilisha*.
- 5 First Marine National Park is established at Gulf of Mannar.

B. Name the following :

- 6 Name the 'Sienes' mainly used to capture pelagic species.
- 7 Name the 'Father of Angling' in fishery.
- 8 What is the scientific name of snow trout ?
- 9 What is the scientific name of 'eyed-egg' ?
- 10 Who published the book 'The game fishes of India'.

(10 × 1 = 10 marks)

II. Answer any *five* questions :

- 11 Over fishing.
- 12 Mud banks.
- 13 Explain Capture fishery of Indus system.
- 14 Distinguish between shrimps and lobsters.
- 15 Mesh size regulation.
- 16 Matsyafed.
- 17 Describe snow trout fishery.

(5 × 2 = 10 marks)

Turn over

III. Answer any *six* questions :

- 18 What are the major policies and its problems pertaining to chartered fishing in India?
- 19 Describe the red tide and its negative impact on fishery.
- 20 Describe about maximum sustainable yield and maximum net economic yield in fishery.
- 21 Explain the present status of marine fish production in India.
- 22 What are the different methods employed in growth rate analysis of fishes?
- 23 Explain present status of cold water fisheries in India.
- 24 Explain different craft and gears employed in demersal fish catching.
- 25 Describe Physico-chemical and Biological characteristics of 'Mud Banks'.

(6 × 5 = 30 marks)

IV. Answer any *two* questions :

- 26 What is masher? give an account of Masheer capture and culture in India.
- 27 Describe major demersal and Pelagic fishery resources of India.
- 28 What are the major organizations and institutes involved in fisheries and aquaculture research and development.
- 29 Explain Bio-Physico-Chemical Characteristics of Cold water environment.

(2 × 15 = 30 marks)