

9244

M.Sc. IVth SEMESTER EXAMINATION, 2019

ZOOLOGY

Paper – IV

Limnology & Fisheries, Fisheries Management

Time: Three Hours

Maximum Marks: 80

PART – A (खण्ड – अ)

[Marks: 20]

Answer all questions (50 words each).

All questions carry equal marks.

सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न का उत्तर 50 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – B (खण्ड – ब)

[Marks: 40]

Answer five questions (250 words each),

selecting one from each unit. All questions carry equal marks.

प्रत्येक इकाई से एक-एक प्रश्न चुनते हुए, कुल पाँच प्रश्न कीजिए।

प्रत्येक प्रश्न का उत्तर 250 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – C (खण्ड – स)

[Marks: 20]

Answer any two questions (300 words each).

All questions carry equal marks.

कोई दो प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 300 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART – A

- Q.1 (i) What is offshore fisheries?
(ii) Give the name of tributaries of Gangetic River System.
(iii) Give the name of research station of Mackerel in India.
(iv) Which type of nets are used in fishing of sardine?
(v) What is probiotics in fish culture?
(vi) What is isinglass?
(vii) What is Gynogenesis?
(viii) What is CCMB?
(ix) What is lamellar oedema of gills?
(x) Define bioremediation.

PART – B

UNIT – I

- Q.2 Explain largest river system of India.
Q.3 Give an account of lakesterine fisheries of India.

UNIT – II

- Q.4 Write short notes on the following:
(A) Bombay duck
(B) Hilsa
Q.5 Give a brief account of fish seed production in Rajasthan.

UNIT – III

- Q.6 Explain main reasons of spoilage of fishes.
Q.7 Describe food of culturable fishes.

UNIT – IV

- Q.8 Write a note on Androgenesis.
Q.9 Write a brief account on production of transgenic fishes.

UNIT – V

- Q.10 Explain effects of aquatic pollution on fishes.
Q.11 Describe type and control of aquatic pollution.

PART – C

- Q.12 Write an essay on Inshore Fisheries.
Q.13 Explain recent scenario of fisheries of Rajasthan.
Q.14 Discuss about fishery by-products.
Q.15 Describe importance of hybridization in fish biotechnology.
Q.16 Explain wastewater treatment with suitable model.
