

2023

BFSC 2nd Semester Examination

Aquaculture in Reservoir

PAPER — BFSC-204

Full Marks : 50

Time : 2 hours



The figures in the right-hand margin indicate marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Illustrate the answers wherever necessary.

1. Answer any **ten** from the following questions:

2×10=20

(a) What is reservoir? Classify reservoir.

(b) What is fish path? State its importance.

(c) Mention the locations of Tungabhadra and Hussain Sagar reservoirs.



(2)

- (d) Define hypertrophic reservoir.
- (e) Name two benthos found in Indian reservoirs.
- (f) Name two cold water fishes found in Indian reservoirs.
- (g) Mention the selection of site in reservoir for cage culture.
- (h) State the advantages of practicing aquaculture in reservoirs.
- (i) What are the primary purposes of making reservoirs in India?
- (j) Enlist the factors that influence the productivity in reservoirs.
- (k) What do you mean by catchment area?
- (l) What type of fishing craft is used in Hirakud reservoir?
- (m) What do you mean by morpho-edaphic index (MEI)?
- (n) What types of materials are used in cage construction?
- (o) Mention the main benefits of pen culture in reservoir system in India.
2. Answer any six from the following questions :
5×6=30
- (a) Mention the criteria for selection of fish in reservoir aquaculture.

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(Continued)

(3)

- (b) Why is the reservoir called sleeping giant of Indian fisheries?
- (c) Enlist the challenges faced in reservoir fisheries in India.
- (d) What are the ecological impacts of reservoir and dam construction?
- (e) "Managing of large reservoir is problematic" — why?
- (f) Mention the major advantages and constraints of cage culture in reservoirs in India.
- (g) Give a general account on reservoir fishery in West Bengal.
- (h) What is geoclimatic feature of Indian reservoir?
- (i) Write a note on nutrient budgeting on Indian reservoirs.
- (j) Make a list of ichthyofaunal resources of Indian reservoirs.

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