Bihar Fishery Extension Officer Syllabus 2026 (BTSC Advt. 28/2026)

BTSC Fishery Extension Officer (Matsya Prasar Padadhikari) — Advt. No. 28/2026 · Bihar Technical Service Commission (BTSC) · Other · Bihar · 2026

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Overview

Official syllabus and exam pattern for BTSC Fishery Extension Officer (Advt. No. 28/2026, 231 posts, Dairy, Fisheries and Animal Resources Department, Pay Level-7). A 100-question computer based test of 2 hours on five fisheries units counts for 75% of the merit; up to 25 marks are added for contractual service in Bihar government bodies.

Important information

Item	Details
Posts	231 (Fisheries Directorate, Dairy, Fisheries and Animal Resources Department; Pay Level-7)
Online application	24.09.2026 to 23.10.2026
CBT	100 objective questions · 100 marks · 2 hours · Hindi and English
Negative marking	+1 per correct answer, ?0.25 per wrong answer
Merit	CBT percentage × 0.75 (max 75) + contractual experience in Bihar government bodies (max 25, pro rata for part-years)
Minimum qualifying marks	30% in the CBT
Qualification	Four-year bachelor's degree in Fishery Science from an agricultural university recognised by ICAR
Age	Minimum 21; maximum UR men 37, UR women 40, BC/EBC 40, SC/ST 42 (as on 01.08.2026)
Multiple shifts	Marks normalized when the CBT runs in more than one shift

Exam pattern

Paper / Stage	Subjects	Questions	Marks	Duration
Computer based test	Five fisheries units (see syllabus)	100	100	2 hours
Merit weightage	CBT 75 + contractual experience 25	—	100	—

Detailed syllabus

1. Unit 1: Fishery resources and management; fish biology

- Classification and taxonomy of cultivable fishes, crustaceans and molluscs
- Freshwater and pond ecosystems
- Population dynamics; fish stock abundance methods and analysis
- Conservation and management of fishery resources; impact of over-exploitation and climate change

- Culture and capture fishery resources of Bihar; fish and fish-seed production vs supply and demand
- Anatomy and biology of finfish and shellfish

2. Unit 2: Fish aquaculture

- Reproduction and breeding behaviour; brood-stock improvement; maturity and fecundity
- Induced spawning, seed production, natural seed collection and rearing
- Eggs and larval development of finfish and shellfish
- Freshwater and brackish-water pond preparation and management
- Cultivable species; exotic fishes in India
- Pen and cage culture; carp and shrimp hatchery management
- Biotechnology and genetics in fisheries
- Fish diseases and control
- Ornamental fish breeding and culture
- Types of fish culture; fisheries in low-lying water bodies

3. Unit 3: Ecology of water bodies

- Limnological and biological parameters of lotic and lentic waters
- Biological productivity and its impact on fisheries
- Environmental impact assessment for fisheries
- Energy flow, community ecology, aquatic associations
- Biodiversity and its conservation
- Aquatic pollution and its management

4. Unit 4: Harvest and post-harvest technology

- Common fishing crafts and gears
- Boat-building materials: wood, steel, aluminium, ferro-cement, FRP
- Fibres and netting materials; net preservation; trammel net, purse seine, gill net, tuna long line
- Food chemistry and fundamentals of microbiology
- Fish preservation and fishery by-products
- Canning, packaging, processing and product development

5. Unit 5: Fisheries economics, extension and statistics

- Fishery economics; co-operatives, marketing and banking
- Economics of hatchery management and fish culture; profit maximization; cost and return estimation
- Fisheries extension methods; training and education needs
- Communication concepts; modern extension tools; PRA and RRA
- Role of women in fisheries
- Basics of statistics in fisheries and computer science

Official sources

Official syllabus: https://btsc.bihar.gov.in/sites/default/files/2026-10/Matsya%20Prasar%20Padadhikari.pdf

Official website: https://btsc.bihar.gov.in

Online version: https://www.jobnirdesh.com/syllabus/bihar-fishery-extension-officer-syllabus-2026

Always confirm the syllabus with the official notification of the conducting body before you prepare or apply.