

No.A-34012/4/2020/DP&AR(EXAM)
GOVERNMENT OF PUDUCHERRY
DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS
(PERSONNEL WING)

-ooOoo-

Puducherry, dated: 24.11.2020.

MEMORANDUM

Sub: DP&AR(Exam) - Conduct of **DEPARTMENTAL TEST IN FISHERIES** - Application called for - Regarding.

Ref: G.O.Ms.No.20 dated 08.02.1973 of the erstwhile Appointments Department read with G.O.Ms.No.1/79 dated 02.01.1979 of the General Administration Department (Exam Cell), Pondicherry and G.O.Ms.No.33/93-DP&AR(Exam) dated 08.04.1993 of DP&AR(PW), Chief Secretariat, Puducherry.

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The **DEPARTMENTAL TEST IN FISHERIES** as prescribed in the G.Os cited is proposed to be conducted tentatively during the month of January, 2021.

2. The Director of Fisheries and Fishermen Welfare, Puducherry is requested kindly to bring the contents of this Memorandum to the notice of all officers/staff concerned including those working in Karaikal / Mahe / Yanam and also to those who are on deputation and forward applications in the prescribed form (specimen enclosed) of officers/staff who are willing and eligible to take up the test so as to reach this Department **on or before 23.12.2020** after scrutiny. Applications received after the prescribed date will not be entertained on any account. Applications which are not in the prescribed form or which are found to be defective or incomplete shape, will summarily be rejected.

3. Only those Officers/Staff as mentioned in the G.Os cited in the reference and those in the feeder posts in the immediate line of promotion need apply.

4. The admission of the candidates to the test will be regulated in accordance with orders contained in G.O.Ms.No.37, dated 15-04-1976 of the GAD, Puducherry and U.O.Note / Memorandum No.3-1/83-GAD (Exam), dated 04-07-1983 of the GAD, Puducherry.

5. Those who have already appeared for the test twice, except Scheduled Caste / Scheduled Tribe / Ex-Servicemen / Physically Handicapped candidates, should send with their applications an Indian Postal Orders for ₹10/- (Rupees ten only) drawn in favour of **THE UNDER SECRETARY TO GOVERNMENT (DP&AR/Exam), DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS (PERSONNEL WING), PUDUCHERRY** (by designation only) payable at PUDUCHERRY as admission fee in accordance with the Government Orders cited at para 4 above, failing which their applications will summarily be rejected.

6. In case the official is transferred to other departments / any outlying region after the submission of application, the Department / Office where he / she has been transferred and also the Centre where he / she wants to take up the test should be intimated to this Department immediately. If any request for change of Centre is received after the despatch of the Hall Ticket, the same will not be entertained.

7. The actual date time and venue of the test will be intimated to the candidates in due course.

8. This Memorandum and the Syllabus of the test has been hosted in the official website <http://dpar.py.gov.in> for reference.

9. In case no application from eligible Officer/Staff is received, a 'NIL' report should invariably be furnished to this Department.

V/

(V. JAISANKAR)
24.11.2020
UNDER SECRETARY TO GOVERNMENT

Encl: As above.

To

The Director of Fisheries & Fishermen Welfare,
Puducherry.

Last Date for submission of Application: **23-12-2020**

APPLICATION FORM FOR ADMISSION TO THE DEPARTMENTAL TEST IN FISHERIES

IMPORTANT NOTE: (i) No column should be left blank. (ii) Any omission will lead to summary rejection of the application and no correspondence will be entertained on this matter.

(To be filled by the candidate's own handwriting)

1. i) Name of the candidate
(In full and **BLOCK CAPITAL**) :
- ii) Candidate's PRAN / GPF Number :
- iii) Candidate's Mobile Number :
- iv) Candidate's E-mail Id :
2. i) Designation :
- ii) Present official address with Office Telephone Number :
- iii) In case the official is on deputation, the name of the
Department / Office from which deputed to be furnished :
3. i) Post held (whether regular or ad-hoc basis) :
- ii) In case the candidate officiates in the present post on
ad-hoc basis, indicate whether he / she hold any other
post on regular basis :
4. Classification of the post :
5. Educational Qualification :
6. i) Whether the candidate belongs to category of Scheduled
Castes / Scheduled Tribes / Ex-Servicemen / Physically
Handicapped (Answer YES or NO) :
- ii) If YES, specify S.C. / S.T. / XSM / V.H. / O.H. :
7. i) Date of Birth :
- ii) Date of initial appointment with designation :
- iii) Date of appointment in the present post :
8. i) Whether appeared previously for the test (tests conducted
after 15-04-1976 alone need be taken into account) :
(Answer YES or NO) :
- ii) If YES, indicate the Number of attempts already made
with particulars of date of conduct of the test :
9. Fee paid, if any, vide Indian Postal Order Number,
Date and Amount :
10. Name of the Centre in which the candidate is to be
examined (PUDUCHERRY / KARAIKAL / MAHE / YANAM) :

Place:

Date :

SIGNATURE OF THE CANDIDATE

(TO BE FILLED IN BY THE HEAD OF DEPARTMENT / OFFICE)

Certified that the particulars furnished against item Nos. 1 to 8 by Thiru/Tmt./Seivi
_____ (Name of the candidate)

_____ (Designation) have been verified
with reference to the relevant records and found correct.

SIGNATURE OF THE HEAD OF
DEPARTMENT / OFFICE :

Place:

Date :

NAME & DESIGNATION WITH SEAL :

Note: (i) Application from deputation staff should be routed through their parent department only.
(ii) For uniformity, **LEGAL** size printout of Application Form is preferred.

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GOVERNMENT OF PONDICHERRY
ABSTRACT

Tests - Departmental Tests - Fisheries Department - Prescribed.

Appointments Department

G.O.No.20

Dated:8.2.73

ORDER:

In keeping with the decision taken to conduct departmental test for all categories of officers/staff periodically it has been decided to conduct the following tests in so far as the Fisheries Department concerned.

<u>Categories</u>	<u>Tests prescribed</u>
1. Director of Fisheries. Asst. Director of Fisheries.	Accounts Test for Executive Officers.
Inspector of Fisheries. Sub-inspector of Fisheries.	Accounts Test for Subordinate Officers

Fisheries Test

2. The Accounts Test for Executive Officers has been prescribed the Appointments Department in G.O.No.74 dated 30.8.1972. The Accounts Test for Subordinate Officers is already being conducted this Administration on the basis of the syllabus already drawn up communicated vide G.O. No.74 dated 22.11.1968. The syllabus and other details of the Fisheries Test are given in the Annexure to the Order. Personnel who have successfully completed the full course of Inland or Marine Fisheries classes conducted by the Government of India, or those who possess a diploma in Fisheries Technology and Navigation of recognised polytechnics are exempted from passing the Fisheries Test.

3. The tests will be conducted by the Appointments Department, in a calendar year, subject to the conditions to be notified by from time to time and on the dates and the Centres to be intimated separately.

4. The passing of these tests will not confer on any candidate the automatic right to be appointed to higher posts.

(By order of the Lt. Governor)

M. CHANDRAMOULI
Chief Secretary to Government

To
The Development Secretary, Pondicherry.
The Director of Fisheries, Pondicherry.

Copy to: Stock File
G.O. File
Central Record Branch.

Sd/-
(S. SCETHARAMAN)
Under Secretary to Government.

Vib.

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Fisheries Departmental Test - 3 parts. (to be written without books)

Part-A:

Sub: Oceanography and Marine Fisheries.

Duration and Marks:

	<u>Duration</u>	<u>Maximum Marks</u>	<u>Marks required for pass.</u>
Theory	3 hours	200	80
Practical	3 "	100	40

SYLLABUS

OCEANOGRAPHY:

1. Introduction - definition - scope and history - distribution of land and water - form of ocean floor - continental shelf and slope depths of oceans - measurement and instruments used in determining of ocean depths - preparation of ocean beds lying at different depth terms used in describing sea bottom contours - rise - ridge - bank - reef - depression - basin - trench - deep plateau and shoal.
2. Sea bottom deposits: Their classification, constituents and methods of collection.
3. Physics and Chemistry of Sea Water:
 - a) Physics: Colour of the Sea Water - gases in sea water - pressure in the ocean in different depths - penetration of light and measurement at various depths.
 - b) Chemistry: Collection of water samples - temperature - density - salinity - constituents of sea water and their measurement.
4. Trade winds and monsoons: An elementary idea of their causes and distribution.
5. Tides of the ocean: Their formation - periodicity measurement and prediction.
6. Water movements in the ocean: - waves - Drifts and currents, their measurements and instruments used therefor.
7. Biological conditions in sea water:
 - a) Vertical and horizontal distribution of life in the ocean Plankton, Nekton and Benthos and their inter-dependence.
 - b) Plankton: Distribution and variation - collection and estimation - their role in productivity of the sea and Fisheries.

II. MARINE FISHERIES.

1. Productivity of the sea and limiting factors - fishing grounds of the world (India and Tamil Nadu) - Sea Fisheries of the world - India and Tamil Nadu.

2. (a) Biology, Plants and animals of economic importance in sea and fresh water. Their classification and character - Diatoms - Woods - sponges - cereals - sea cucumbers - Crustaceans - Mollus fishes - Turtles - Tortoises - Crocodiles - Sea Mammals.

(b) Fish Biology - detailed study of Morphology - Anatomy breed habits - habitats - Adaptions in fishes.

Classification and identification of fishes especially economical varieties of India and Madras state in particular. Study of Fish larve and Plankton - Examination of stomach contents, gonads, etc. by dissection - preservation of specimens.

Pearl and Chank Fisheries:

Pearl yielding molluscs - biology of chank and pearl oysters pearl fisheries of the world - kinds of pearls and their valuation - pearl culture experiments.

Pearl and Chank fisheries of South India - their organisation and management - Legislation and t rules relating to pearl and chank fisheries.

Methods of inspections of pearl banks - underwater survey diving methods.

Part - B

Sub: Inland Fisheries.

Duration and Marks:

	<u>Duration</u>	<u>Maximum marks</u>	<u>Marks required for pass</u>
Theory	3 hours	200	80
Practical	3 "	100	40

SYLLABUS

I. INLAND FISHERIES (Theory)

1. Cultural Operations:

Fish pond engineering - Fish farms - designs and constructions - props of ponds, productivity - Manures - Fish seed selection from Natural sources and artificial methods - Condition in Transport and stocking. Farm management - harvesting and marketing - Piscicultural practices in different parts of the world. Cultural methods of exotic and indigeneus - salt and brackish water species food and feeding habits - Artificial breeding methods - Induced spawning methods - Examination of stages of breeders - Pituitary gland extract injections, stripping methods etc.

Fresh water plants and plant control. Fish enemies and their control. Fish diseases - Types of bottom soil and water suitable for fish culture. Pollution of waters and control - Relevant sections of the Public Health and Factories Acts - Pond disturbances and control methods - Stream and improvements therein.

2. Limnology: Productivity of waters: - Estimation of productivity by various methods - Water analysis - different types of water morphometrical properties - water constituents and their relationship.

3. Public Health Fishes - Lurvicidal and cyclopscidal - Aquarium management - Aquarium fishes.

4. Effect of Dams of Fisheries - Fish passes - Fish ladders and conservancy/zones - Studies with reference to fisheries of river systems, reservoirs and osutuaries in Madras State.

5. Conservancy measures: Indian Fisheries Act and Pondicherry Amendment Act Regulation of fishing in rivers, reservoirs etc. Types of restrictions - rules under Fisheries' Act applicable to Union Territory of Pondicherry.

Definitions of various waters - Provincialised, departmental Government Orders, S.S.O.'s covering the operation of these waters.

Panchayat Raj and role of fisheries in Panchayat Unions - extension work.

Study of river systems in Tamil Nadu and the role of Dams and Weirs in the fishery of these rivers.

II. INLAND FISHERIES (PRACTICAL)

1. Identification, Key Chart for important fresh water fishes.
2. Dissection, location of position and extraction of pituitary glands from fishes.
3. Estimation of various stages in gonad development
4. Fish embryology - developmental stages of a carp and a cat fish distinguishing features of the hatchlings and fry.
5. Analysis of gut contents and estimation.
6. Ecology of the pond - estimation of turbidity - temperature at different depths - dissolved gases and nutrients fauna and flora drawing up of food chain.
7. Age and growth studies - length and frequency - chart scale and otolith study.
8. Collection-handling and rearing - transport and stocking of spawn fry and fingerlings.
9. Hatchery practices.
10. Fish pathology - field study of parasites and mortality factor
11. Induced carp spawning techniques - exploitation practices.
12. Fishing of reservoirs, tanks, rivers, and fish farm.
13. Survey of waters.
14. Maintenance of Inland fishery register and records.

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Part C -

Sub: Fisheries Technology

Duration and Marks:

	<u>Duration</u>	<u>Maximum Marks</u>	<u>Marks required for pass</u>
Theory	3 hours	200	80
Practical	3 hours	100	40

SYLLABUS

I. FISHERIES TECHNOLOGY (FISHING METHODS)

a) The Fish:

- 1) Its nature - size characters.
- 2) Habits - Swimming depths, shoaling, regular movements, feeding, reaction to tides, breeding, colour, light, sound and electricity.

b) Fishing Area:

1. Depths
2. Tides
3. Distances
4. Bottoms.

B. GEAR TECHNOLOGY

a) Hook and line fisheries.

1. General (i) Inducement of fish to bite, bait, movement snoods, hooks.

- (ii) Holding the fish - sizing - stunning - luring - grilling - entangling - Fishing.

2. Hand lines, gear set up operation.
3. Long lines; Bottom set, drifting, operation under mechanised, fishing with corks, gurdies and line haulers.
4. Trolling lines: set up operation.

b. Nets.

1. Stationery

- i) Tidal Gear - Traps ii) Bag nets iii) Gill nets.
- iv) Encircling nets, v) Trawls.

2. Dynamic Stationery.

- i) Principle: Drift Nets - set nets
- ii) Gear, Webbing, lines, floats, sinkers, markers.
- iii) Operation, with deck machinery, casting net chutes, hauling



iv) General: Set Up gear, fishing height, tension, Direction of set
 Assembly of gear, Dactnocy, tide floats.
Entangling nets: Principle of Gillling and Entangling.
Special types: Gear trammels
 General set up and assembly of Trammels.
 Dynamic - Encircling nets.

a) Seines:

Ring nets - Lampara - Purse seines, principle, Gear assembly, different advantages and disadvantages of methods.

b) Drag nets or trawls: i) Beam trawl ii) Otter trawl iii) V.D. Trawl, iv) Bull Trawl, pair trawl, paranza trawl.

1. Principle.

2. Gear: Parts of nets, Booms, boards - Auxilliary lines - kites; floats, special floats, siamese, twins, Danlenes, Balloning, special parts - Ticklers - Bobbins.

3. Operation: Shooting the net, towing, turning, observations of trawl ropes, hauling the net, the boats in operation, course, speed, bé hauling.

c) Danish seine: i) Principle, trawling and seining differences - importance of bottom.

ii) Gear: Assembly of net, floats, daleno, seine ropes.

iii) General: Tide - bottom - winches and coilers, buoys and anchors.

OBSERVATION:

1. Association of Fish kinds, flora, season, tide, locality, weather movement.

2. Bottom: Nature, kind of deposits.

3. Fish: Size, kind of swimming, height, shealing.

4. Weather: Season, period, tides, timings, colour of water, area depth, current, temperature, winds.

5. Gear: before and after operation, fishing heights, stretch and for webbing. wear, and tear, Dynamic gear, following gear tension operation of lines.

6. logs: Need for keeping log books, place of operation, weather, tide, wind, sea bottom, depth nature, colour of water, temperature atmosphere, sky additional information.

d) Detection of fish:

1. Surface: Wind movements - sighting off shoals, colour, of water, plankton turbidity.

2. Bottom: Trail setting of lines.

3. Depth recorders:

Gear: 1) Material, Manila, sisal, hems synthetic fibres, cotton, steel, resistance and strength - code numbers and twisting stages and direction, source of materials etc.

2) Preservation methods, washing, drying, tanning, tarring, chemical preservation methods, fixing of tanning - methods for various types of materials.

Practical Lessons:

1. Net braiding: different kinds of starting methods, knots - Reef clove hitch, English knot, double English knot, methods of braiding from either direction - Mesh boards.
2. Study of meshes: International codes.
3. Fashioning - Baiting - creasing cutting - put pieces, fly meshing double fly meshing, joining of the net pieces.
4. Assembly, rigging, stapling, hanging of webbing, ancilliary lines Strengthening lines.
5. Net mending, 6.knots, splices, hitches and bends.
7. Dan Buoys, barrelbuoys.
8. Preparation of sick sinkers and anchors.
9. Study of buoyancy.

Fishing Methods: 1. Gill netting and shifting 2. Drift nets. 3. Trawls 4. Long lines 5. R.C.lines 6. Trolling lines 7. Study of construction of coromandal coast fishing methods.

* Crafts: a) Description of various fishing and ancilliary craft - their use and relative merits - Fishing crafts of India - Fishing Madras coast - catamaran, coracle and fishing canoes.

Fishing craft of other areas: Rampani boat, shoe dhonids sang eg Godavari fishing - canoes of Kerala coast - b. Design to meet needs of fishing: Motor fishing vessels - small power boat below 5 to 10 hp and small stern trawlers - medium size, between 6 and 25 ton Purse seines, trawlers and gill netters, deep sea fishing vessels and factory ships - general studies on the installation of engines on small crafts.

c). Design and lay out of fishing nets.

II. NAVIGATION

1. Geography: Solar System, sun and planets, world, moon, longitudes latitudes.
2. Navigation: (a) Position: Need to fix ways of ascertaining position direction and distance, bearing.
 - (b) Compass: Magnetism and its properties, compass- Mariner's compass points, quadrantal divisions, Azimuth construction of Mariner's compass, trust worthiness, compass deviation and variation, uses of compass, steering, compass, standard compass.
 - (c) Depth of sea: Sounding lead, hand lead, depth record
 - (d) Bearings: Horizontal and vertical position, Asimuthi mirror, Sextant, station - Pointer, four point bearing
 - (e) Distance: Logs, Hand Log, patent log.
 - (f) Meteorology: Chronometer, Standard and Aneroid bars meters, Maximum and minimum thermometers.
 - (g) Steering courses: Compass errors, leeway, tide.



ADMIRALTY CHART. Mercator's projection chart, explanation survey data, contour, abbreviations used, position lines, how to use the chart.

RULES OF THE ROAD: Wind, Drifts, trade winds, cyclones, laws of storm, uniform system of buoyage.

SAILING VESSELS: Canoes Yachts, ketch, sloop, cutter, smack schooner, top sail schooner, brigantine, barque, bark, barge, full rigged schooner.

ANCHORS: Common, patent, stock-less, mooring, sea anchors, etc. Life saving appliances; life belt, ringbuoy life saving, precautions, boats, warning.

PRACTICAL

1. Uses of compass - bearings.
2. Position at sea, latitude and longitude by cross bearings.
3. Four point bearing.
4. Course: Application of compass errors, correction to courses, tide and effect on courses. Two bearings of different objects to course to steer, to tide. Drift, how to assess and correct course.
5. Charts: Reading of charts and symbols.

III. Running and maintenance of Marine Diesel Engines upto 60 H.P.
Classification of motors:

Four stroke and two stroke motor its working principle, Low pressure motors, middle pressure motors, high pressure motors.

COMBUSTION: Ignition on flash temperature combustion temperature, complete combustion why fuel must be compressed, Advantage of compression incorrect height of combustion chamber, scavenging. Construction of motor, frame, Crank case, Cylinder, Piston, connecting rod Crank shaft, valve movement mechanism, fuel, pumps, cam regulation non-reversing gear.

INTRODUCTION OF FUEL INTO COMBUSTION CHAMBER:

- a. Petrol engines.
- b. Middle pressure on semi-diesel.
- c. High Pressure, or fuel, diesel fuel, injection working and defects.

LUBRICATION: Hand Lubrication, drop system lubrication, pressure and without pressure, cylinder, Gudgeon pin, Crank pin, filter.

COOLING: Air, Oil, Water, Defects, and remedies.

INFORMATION AND TROUBLE SHOOTING: Connected with the running and maintenance of diesel and semi-diesel engines.

PRACTICAL LESSONS: Dismantling and assembling of engines and handling of engines on board fishing vessels.

IV. FISHERY FOOD PRODUCTION

- 1. Fishery Industries - History - Fishing Industry in India - operation.
- a) Nutrition - Basic principles of animal and human nutrition Balanced diets.
- b) (1) Fish as a food - Chemical composition - Nutritive value - Fish as a source of protein.
- (2) Characteristics of fresh fish and spoiled fish.
- (3) Causes of fish spoilage.
- (4) Control of spoilage of fish handling storage and distribution of fresh fish.
- (5) Principle and practices of fish preservation, traditional curing - difference types - Non-traditional Modern methods like freezing, use of antibiotics, canning etc.
- (6) Govt. Fish curing yards - aims, working methods.
- (7) Fish oils - Manufacture of Shark liver oil, fish meal, fish manure, fish flour - Fish ensilage, Fish sauces - paste etc. The India Bechdeker industry.
- (8) Whale and whale products.
- (9) Shrimp, lobster, Turtle, Crabs and Miscellaneous, sale with fishery and industry.
- (10) Quality control of fish and fishery products. Technological problems and research.

Principles of marketing, handling facilities, whole sale and retail marketing and distribution - design and lay out of fish markets and Industries - Marketing laws - regular markets - internal and external trade.

OTHER FISHERY PRODUCTS:

Fish guano - Fish glue - isinglass - ambergris - cuttle fish with shark leather - porpoises and Dolphin - Shargreen - Sea weeds - agar agar, algin, Kelp - pearl essence - mother of pearl - coral - sponge - iodine - Bromine - Potash - Acetone and oyster grit.

GOVERNMENT OF PONDICHERRY
ABSTRACT

TESTS - Departmental Tests - Fisheries Departmental Test - Duration, maximum and minimum marks of the test - Revised.

General Administration Department
(Examination Cell)

G.O.Ms.No.1/79

Pondicherry-605001, the 2nd January, 1979.

READ:-

G.O.Ms. No.20 dated 8.2.1973 of the then Appointments Department, Pondicherry.

ORDER:

The Fisheries Departmental test and the syllabus therefor have been prescribed -Vide G.O.cited. The test consists of three parts of two papers each in Theory and in Practical of three hours duration each. Thus the test is being conducted during three days i.e.18 hours.

2. As the duration of the test appears to be too long, the Administration considered the question whether the duration can be reduced from 9 hours to 3 hours each in theory and practical without modifying or excluding any of the subjects included in the syllabus so as to conduct the test on only one day.

3. It has accordingly been decided to revise the duration, maximum and minimum marks of the Fisheries Departmental test as detailed below:-

Sub: A. Oceanography and Marine Fisheries.

B. Inland Fisheries

C. Fisheries Technology.

Duration	Marks	
	Maximum	Minimum
Theory 3 hours	200	80
Practical 3 hours	100	40

-/By Order of the Lieutenant Governor/-

E.S. PARTHASARATHY
CHIEF SECRETARY TO GOVERNMENT

To
The Development Department, Pondicherry.
The Director of Fisheries, Pondicherry.

Copy to: Stock File/G.O.File.
Central Record Branch, Pondicherry.

Sd/-
(S. AROUL)
DEPUTY SECRETARY TO GOVERNMENT

GOVERNMENT OF PONDICHERRY

ABSTRACT

Tests - Departmental Test for Fisheries Department - Addendum -
Orders - Issued.

DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS
(PERSONNEL WING)

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G.O.Ms.No. 33/93-DP&AR(Exam) Pondicherry, the 8th April 1993.

READ: 1) G.O.Ms.No.20, dated 8-2-1973 of the erstwhile
Appointments Department, Pondicherry read with
G.O.Ms.No.1/79, dated 2-1-1979 of the General
Administration Department (Exam Cell),
Pondicherry.

2) Letter No.DF/E1/22-1/91-92, dated 23-12-1991
from the Director of Fisheries, Pondicherry.

* * *

ORDER :

The following addendum is issued to the G.O. read above:-

A D D E N D U M

The following items shall be added to the syllabus prescribed
for PART-A and PART-B of the Fisheries Departmental Test:-

PART-A

OCEANOGRAPHY and MARINE FISHERIES

II. MARINE FISHERIES:-

- 4. Mechanised Fisheries - Inshore Fisheries - Off Shore Fisheries.
- Deep Sea Fisheries - Various Crafts and tackles used -
- Fishing methods used - Varieties of Fish Caught.

PART-B

INLAND FISHERIES

III. BRACKISH WATER FISHERIES (Theory):-

- 1. Survey of Brackish Water area.
- 2. Site Selection - Tidal amplitude Inter tidal area.
- 3. Brackish Water farm construction - Provision of inlet - outlet - supply channel.
- 4. Variety of Prawn suitable for Brackish Water culture.
- 5. Variety of Fish suitable for Brackish Water culture.
- 6. Life Cycle of Prawn.
- 7. Hatchery Management.
- 8. Prawn Seed collection.

(Contn. of Addendum to syllabus for Fisheries Departmental Test)

IV. BRACKISH WATER FISHERIES (Practical):-

1. Identification of Brackish Water Prawn.
2. Design and construction of Brackish Water Farm.
3. Design of modal Prawn Hatchery.
4. Collection of Breeders - Eye stalk ablation - Artemia culture.
5. Stages of Prawn larvae - Nanplias Zoea - Mysis - Post larvae.
6. Economics of Brackish Water Fish Farming.

(BY ORDER OF THE ADMINISTRATOR)

SUBHASH SHARMA
CHIEF SECRETARY TO GOVERNMENT

To
The Director of Fisheries,
Pondicherry.

Copy to:-

- 1) The Under Secretary to Government, Chief Secretariat (Fisheries),
Pondicherry.
- 2) The Central Record Branch.
- 3) The G.O. File.
- ✓ 4) The Stock File.

FORWARDED / BY ORDER

S. Narayan
8/4/53

(S. NARAYAN)
UNDER SECRETARY TO GOVERNMENT

8/4/53

O.A.

GOVERNMENT OF PUNJAB
ABSTRACT

Public Services - Conduct of Departmental Tests - Admission to -
Regarding.

GENERAL ADMINISTRATION DEPARTMENT

G.O.Ms.No:37

Dated: 15th April, 1976.

ORDER:

Government have prescribed departmental tests in respect of various categories of officers/staff working in different departments and the tests are conducted periodically as per the programme drawn and communicated in Circular No.F.36941/74-GAD(Gen) dated 5th March, 1974. Although these tests are meant for the categories of officers/staff for whom they are specifically prescribed, other categories of officers/staff have also been allowed to write the tests in response to the requests received from the various service Associations. Such unrestricted admission of candidates to the departmental test(s) has been causing a lot of administrative inconvenience. Besides, a huge amount has also to be spent by way of payment of honoraria to the examiner for setting up of question papers and valuation of answer papers, payment of honoraria to invigilators, etc. With a view to meeting part of the above expenditure, it has been decided that fees may be collected from the candidates who have not succeeded in their attempts twice in the departmental test(s). Accordingly, the following orders are issued with regard to the payment of fees.

1. A fee of Rs.5/- be collected for each departmental test/examination.
 2. The fee payable will be Rs.5/- even if a part/paper of a particular test is to be written.
 3. The number of attempts for purpose of collection of fees, will be calculated based on the various departmental test/examination which will be conducted after the issue of this order.
 4. The fee is payable by Indian Postal Order payable to the Deputy Secretary to Government, General Administration Department, Pondicherry (by designation only).
 5. Fees once paid will not be refunded on any account.
 6. Applications without the Indian Postal order will be summarily rejected.
 7. Scheduled Caste/Scheduled Tribe and Ex-servicemen candidates are exempted from payment of fee for departmental tests.
 8. L. D. Cs/Clerks are exempted from payment of fee for departmental test in Typewriting only.
2. In supersession of the earlier orders, the following instructions are issued for strict compliance in so far as admission of candidates to the departmental tests are concerned:-
1. For departmental tests, all categories of staff except Class IV will be admitted.
 2. Only candidates who are on regular employment in Government service, in any capacity, will be admitted to the departmental test.
 3. The Departmental tests, such as departmental test for Medical Officers, Engineers, etc., the syllabus for which contain technical subjects will be thrown open to only such of those for whom they

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are specifically prescribed and for those who are in line for promotion to each of the categories for whom it is prescribed.

(By Order of the Lieutenant-Governor)

V. S. PARTHASARATHY
CHIEF SECRETARY TO GOVERNMENT

To

- All Secretaries to Government.
- All Heads of Departments/Offices
- Administrators of Karaikal, Mahe, Yanam.
- The Central Record Branch, Pondicherry.

Copy to:

- Stock file.
- C.O. File.

V. S. Partasarathy

(V. S. PARTHASARATHY)
DEPUTY SECRETARY TO GOVERNMENT.

15.4.36
15.4.76

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Government of Pondicherry
Abstract

Public Services - Conduct of Departmental Tests -
Revision of Admission Fees - Orders - Issued.

DEPARTMENT OF PERSONNEL AND ADMINISTRATIVE REFORMS
(PERSONNEL WING)

G.O. Ms.No. 16

Dt. 17-2-99

ORDER:

READ: GO.Ms.No.37, dated 15.4.1976 of General Administration
Department, Pondicherry.

In the Government Order read above, the fee for admission to the Departmental Tests Examination has been prescribed. The question of enhancing the fee has been engaging the attention of the Government, as a huge amount is being spent by way of payment of honoraria to the Examiners for setting up of Question Papers/Valuation of Answer Papers, payment of honoraria to the Invigilators, stationery charges et., and with a view to meet a part of the above expenditure it has been decided to increase the fee to be collected from the candidates appearing for the Departmental Tests /Competitive Examination.

2. Accordingly in partial modification of the G.O. read above the fee prescribed for the Departmental Test and Competitive Examination stands increased from Rs.5/- to Rs.10/- as indicated below with immediate effect.

- i. For competitive Examination - Rs.10/-
- ii. For Departmental Test after two attempts - Rs.10/-

3. No fee is collected in the following cases:-

- i) Departmental Test for the first two attempts
- ii) In the case of SC/ST/PH/Ex-servicemen for Competitive Examination as well as Departmental Test.

4. This issues with the concurrence of the Finance Department vide their U.O. No. 14310/98/F4, dated 16.02.1999.

/BY Order of the Lieutenant Governor/

(Handwritten signature)
17/2/99

(T. DUANAGUIRAMANE)
UNDER SECRETARY TO GOVERNMENT

To

- 1. The All Secretaries to Government/All Sectt. Departments
- 2. All Heads of Departments/offices
- 3. The Regional Executive Officer, Karaikal/Mche/Yanam.
- 4. The Central Records Branch, Pondicherry.
- 5. The Stock file.

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OB 133

No.3-1/83-GAD(Exam)
GOVERNMENT OF PONDICHERRY
General Administration Department

Pondicherry-605001, the 4th July '83

U.O. NOTE/MEMORANDUM

Subject: Public Services - Conduct of departmental tests
Admission to - Regarding.

Reference: Circular No.38941/74-GAD(Exam) dated 5.3.1974
of the General Administration Department.

Departmental tests have been prescribed for various categories of officials of this Administration and tests are being conducted periodically by this department as per the programme drawn in the Circular cited above. Although these tests are meant for those for whom they are specifically prescribed, this department has been admitting even candidates who do not fall under such categories. This, of late, has caused much administrative inconveniences. The matter has been carefully examined by this Administration and it has been decided that only officials who belong to the category for which a particular departmental test is specifically prescribed and those who are in the immediate line of promotion to the category for which a test is prescribed will be admitted to that departmental test in future. The Accounts test for subordinate officers and the common General departmental tests for Ministerial staff will remain open to all as hithertofore.

2. The Heads of departments/Offices are requested kindly to bring the above decision to the notice of all officials under their control. They are also requested to screen the applications at the time of submission itself and forward to this department only the applications of those for whom the test is prescribed and who are on the immediate line of promotion if they pass the relevant tests.

DES. 111111

e/c [Signature]

(N. PAJANISSAMY)
DEPUTY SECRETARY TO GOVERNMENT

To

All Secretariat Departments
All Heads of Departments/Offices;
Administrators, Karaikal/Mahe/Yanam with spare copies.

vb.4.7.

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**GOVERNMENT OF PONDICHERRY
DEPARTMENT TEST IN FISHERIES
THEORY (WITHOUT BOOKS)**

Time: 3.00 hours

Max.Marks:200

A. Oceanography and Marine Fisheries:-

1. Write an account on Sea bottom deposits

OR

Write an account on enumeration of fish food organisms

-35

2. Give an account on Oil sardine fishery

OR

Write a detailed account on sea weed cultured in India

-35

B. Inland Fisheries

3. Write an account on composite fish culture

OR

Write an account on Integrated fish farming

-35

4. Give an account of the common diseases affecting the aquarium and their remedial measures

OR

Enumerate the profitable uses of fresh water weeds.

-35

C. Fisheries Technology

5. Give an account of the country crafts of east and west coast

OR

Give an account of the different types of seines used in the east and west coast

-35

6. Give an account of the various methods of fish preservation

OR

Write short notes on any five:

- a) Fish meal
- b) Isinglass
- c) Trammel Net
- d) Hook and line
- e) General values of mangroves
- f) Pearl Fisheries of India

-25

**GOVERNMENT OF PONDICHERRY
DEPARTMENT TEST IN FISHERIES
PRACTICAL (WITHOUT BOOKS)**

Time: 3.00 hours

Max.Marks:100

A. Oceanography and Marine Fisheries:-

1. Write short note on any five:

- a) Benthos
- b) Anadromous fishes
- c) Bioluminescence
- d) Exotic fishes
- e) Coral
- f) Algae

-20

2. Write an account on the Bivalve fishery trends in India
OR

Give an account on various types of trawl nets used in India

-15

B. Inland Fisheries

3. Give an account of key characters that are used for the identification of Indian Major Carps with diagrams

OR

Write an account on Scampi Culture.

-15

4. Write an account on Larvivorous (Larvicidal) fishes

OR

Write an account on induced breeding of carps

-20

C. Fisheries Technology

5. Write an account on life saving appliances

OR

Differentiate four stroke and two stroke engines and their working principles

-15

6. Write notes on GPS and fish finders

OR

Write short notes on any three:

- a) Sextant
- b) Traps
- c) Estuaries
- d) Rigor Mortis

-15

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**GOVERNMENT OF PUDUCHERRY
DEPARTMENT TEST IN FISHERIES
THEORY (WITHOUT BOOKS)**

Time : 3.00 hours

Max.Marks:200

A. Oceanography and Marine Fisheries:-

1. What are the Biological properties of sea ?

OR

Write the measures to be taken for protection and long term sustainability in marine fisheries

- 35

2. Write an easy on crustacean Fisheries and add note on its foreign exchange

OR

Brief description on Electric Ray, Sting Ray and Sphyrna

- 35

B. Inland Fisheries

3. What are the important criteria in a selection of the site for the construction of a fish farm? Describe in brief

OR

Give an account of organic fish farming

- 35

4. Write an easy on coastal aquaculture

OR

Describe Air Breathing Fishes

- 35

C. Fisheries Technology

5. Describe various Navigational lights

OR

Give an account of crafts and gear used for marine fishing in U.T. of Puducherry

- 35

6. Write an account of cold chain

OR

Write short notes on any five

- (a) Break Waters
- (b) Yellow Fin Tuna
- (c) Red tide
- (d) Living jewels
- (e) Ink sac
- (f) Nauplius
- (g) Horse shoe crabs

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**GOVERNMENT OF PUDUCHERRY
DEPARTMENT TEST IN FISHERIES
PRACTICAL (WITHOUT BOOKS)**

Time : 3.00 hours

Max.Marks:100

A. Oceanography and Marine Fisheries:-

1. Write short note on any five:

- a) Nautical mile
- b) Winch
- c) Fecundity in fishes
- d) Distress alert transmitter
- e) Artificial reef
- f) Closed season
- g) Beache-de-mer

- 20

2. Write short notes on squids and cuttle fish in U.T. of Puducherry

OR

Write Zonation of sea and explain briefly

- 15

B. Inland Fisheries

3. Give brief description of major carps with diagram

OR

What is fish seed and explain the criteria of classifying fish seed

- 15

4. Write short note on Culture of Sea Bass

OR

Explain circular (Chinese) type of hatchery with diagram

- 20

C. Fisheries Technology

5. Describe the parts of the marine diesel engine with diagram

OR

Write methods used for fish preservation

- 15

6. Role of INCOIS in Marine fisheries

OR

Write short notes on any five

- (a) OBM
- (b) GPS Navigator
- (c) Dry docks
- (d) Life buoy
- (e) Propeller
- (f) Sea horse
- (g) Gill net

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