

**प्रदेश लोक सेवा आयोग,**  
गण्डकी प्रदेश  
प्रदेश/स्थानीय कृषि सेवा, नवौं तह, वरिष्ठ मत्स्य विकास अधिकृत पदको आ.प्र., अन्तरतह र खुला प्रतियोगितात्मक  
लिखित परीक्षाको पाठ्यक्रम

**द्वितीय पत्र - सेवा समूह सम्बन्धी**

**पूर्णांक : १००**

1. Importance of aquaculture in Nepal
2. Potentialities and prospects of aquaculture in Gandaki Province
3. Biology of major fresh water cultivated fishes
  - 3.1 Biology of cultivated fishes
  - 3.2 Biology of induced breeding
4. Fish culture system in Nepal
  - 4.1 Extensive system
  - 4.2 Semi Intensive system
  - 4.3 Intensive system
  - 4.4 Bio flock
  - 4.5 RAS
5. Type of fish production system in Nepal
  - 5.1 Integrated aquaculture
  - 5.2 Rice-fish culture
  - 5.3 Race-way fish culture
  - 5.4 Cage and Enclosure fish culture
  - 5.5 Pond fish culture
  - 5.6 Aquaculture in marginal swamps/goals
  - 5.7 Open water stocking
6. Design and construction of pond fish farm
  - 6.1 Integrated aquaculture
  - 6.2 Site selection and preparation
  - 6.3 Overall layout of the farm
  - 6.4 Leakage control and soil management
7. Fisheries Plan (five year and long term prospects plans)
8. Fish Hatchery and Nursery Management Techniques
  - 8.1 Hatchery design and construction
  - 8.2 Nursery pond management
9. Fish breeding
  - 9.1 Induced breeding
  - 9.2 Natural breeding
10. Fish health management
11. Fisheries project planning and management
12. Fisheries Extension and Training
13. Planning of on integrated fish farm
  - 13.1 Necessity, objectives and system of planning management

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- 13.2 Planning models
- 13.3 Design and construction of on integrated fish farm
- 14. Environmental category of aquaculture in Nepal
  - 14.1 Action of wastes on the fish ponds
  - 14.2 Wastes as direct feed
  - 14.3 Wastes as indirect feed
- 15. Economically important Cold water fishes indigenous fish species and their prospects for fisheries conservation
- 16. Aquatic Animal Protection Act 2017 and amendment 2055
- 17. Fish Nutrition
  - 17.1 Feed and feeding management
  - 17.2 Feed formulations and nutrient load
  - 17.3 Importance of Natural food
- 18. Pond fertilization
  - 18.1 Types of fertilizers
  - 18.2 Role of fertilizers in fish pond
- 19. Role of fisheries in food security Importance of aquatic resources for the poor
- 20. Role of women in Fisheries
- 21. Present status of fisheries development in Nepal
  - 21.1. Production
  - 21.2. Area coverage
  - 21.3. Per capita consumption
- 22. Role of Research in fisheries and aquaculture development
- 23. Fisheries policies, Aquatic Bio-diversity and conservation approach
- 24. Importance of Limnological study in lakes and reservoir
- 25. Aquaculture economics
- 26. Fish taxonomy and identification criteria
- 27. Fish migration studies and migration biology
- 28. Daming effect on fish migration and mitigation approach
- 29. Fish physiology
  - 29.1. Respiration
  - 29.2. Digestion
- 30. Nutritional genetics.

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