प्रदेश लोक सेवा आयोग, प्रदेश नं.२

कृषि सेवा, फिसरिज समूह, अधिकृत सातौं तहको पदको खुला तथा अन्तर सेवा प्रतियोगितात्मक परीक्षाको पाठयकम

द्वितीय पत्र (Paper II): Technical Subject Section A- 30 Marks

1. Aquaculture Production Systems in Nepal

- 1.1 Aquaculture Practices
 - 1.1.1 Cage fish culture
 - 1.1.2 Enclosure fish culture
 - 1.1.3 Raceway fish culture
 - 1.1.4 Integrated fish culture
 - 1.1.5 Rice fish culture
- 1.2 Aquaculture Systems
 - 1.2.1 Monoculture
 - 1.2.2 Polyculture
 - 1.2.3 Monosex culture
- 1.3 Aquaculture Techniques
 - 1.3.1 Extensive
 - 1.3.2 Semi-intensive
 - 1.3.3 Intensive
 - 1.3.4 Super-intensive

Section B-20 Marks

2. Management Practices in Aquaculture

- 2.1 Management techniques in Nursery, Rearing and Production Ponds
- 2.2 Application of feed, fertilizer and chemicals, liming and organic manure in ponds
- 2.3 Importance of growth checkup
- 2.4 Water quality management
- 2.5 Record keeping

3. Natural water Fisheries Programs

- 3.1 Importance of bio-limnological study
- 3.2 Environmental factors and its effects to fish population
- 3.3 Factors affecting survival and migration of fish
- 3.4 Stock enhancement, biodiversity, conservation & management

Section C-20 Marks

4. Fish breeding techniques

- 4.1 Site selection and design of a carp fish hatchery
- 4.2 Brood fish management
- 4.3 Criteria for brood fish selection
- 4.4 Natural breeding
- 4.5 Semi-artificial breeding
- 4.6 Induced breeding
- 4.7 Application of hormones in induced breeding
- 4.8 Incubation techniques
- 4.9 Endocrine system related to reproduction
- 4.10 Fish Physiology
 - 4.10.1 Physiological systems and osmoregulation
 - 4.10.2 Function of different organ system (Digestive, Reproductive, Respiratory)

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5. Fish Health Management

- 5.1 Factors affecting fish health
- 5.2 Identification of fish diseases and parasites 5.3 Lab techniques

5.4 Treatment procedures/ Control mechanisms

Section D– 30 Marks

6. Plan and policy

- 6.1 Recent five years fisheries development plan
- 6.2 Recent policies in fisheries development
- 6.3 Present aquaculture status in Nepal
- 6.4 Agriculture prospective plan
- 6.5 Fisheries prospective plan
- 6.6 Province no.2, Agriculture related Plans and Policies
- 6.7

7. Aquaculture Extension

- 7.1 Extension methodology, tools & communication systems
- 7.2 Participatory approach in planning, implementation and monitoring
- 7.3 Capacity building of farms and extension services
- 7.4 Pocket package program
- 7.5 Social mobilization, gender, integration and group dynamics
- 7.6 Public, Private, NGOs, CBOs, Partnership, Contract- out program

8. Miscellaneous

- 8.1 Fish Marketing, Aquaculture economics and credit support system
- 8.2 Province no.2, Agriculture related Acts, Rules and Regulations
- 8.3 जलचर संरक्षण ऐन, २०१७; तथा पशु स्वास्थ्य तथा पशु सेवा ऐन, २०४४ र नियमावली, २०४६

कृषि सेवाका विभिन्न समूह⁄उपसमूह, अधिकृत सातौं तहको पदमा प्रथम चरणको लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरुलाई मात्र सामूहिक परीक्षण (Group Test) लिइने छ ।

सामूहिक छलफल (Group Discussion)

यस प्रयोजनका लागि गरिने परीक्षण १० पूर्णाङ्क र ३० मिनेट अवधिको हुनेछ जुन नेता विहिन सामूहिक छलफल (Leaderless Group Discussion) का रुपमा अवलम्वन गरिने छ । दिइएका प्रश्न वा Topic का विषयमा पालैपालोसँग निर्दिष्ट समय भित्र समूह वीच छलफल गदै प्रत्येक उम्मेदवारले व्यक्तिगत प्रस्तुति (Individual Presentation) गर्नु पर्नेछ । यस परीक्षणमा मूल्याङ्कनका लागि ३ जना भन्दा बढीको समिति रहनेछ ।

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