

लोक सेवा आयोग  
नेपाल ईन्जिनियरिङ्ग सेवा, केमिष्ट्री समूह, राजपत्रांकित प्रथम श्रेणी ( खुला प्रतियोगिता र आन्तरिक प्रतियोगिता ) र को लिखित परीक्षाको पाठ्यक्रम

द्वितीय पत्र :- प्राविधिक विषय

1. Role of Science and Technology for the Development of Nepal with the Special Emphasis on Chemistry
2. Role and Impact of Chemistry in the Implementation of Governmental Laws and Regulations to safeguard the Interest of Nepalese People
3. State of Science and Technology Institutions, their prospects and problems for the Future Development with special Reference to Modern Chemistry.
4. Concept and Significance of Chemical Analysis for Scientific/Technological Development in industry, Commerce and Environmental Management
  - a) Food/Agricultural Products
  - b) Water Resources
  - c) Rock/Minerals/Soil
  - d) Fertilizers
  - e) Pesticides
  - f) Medicines/Pharmaceuticals
  - g) Toxins
  - h) Micronutrients
  - i) Forest Products (Medicinal and Aaromatic Plants and other non-Timber Forest Products)
  - j) Environmental Pollutants
5. Standardization and Quality Management of Industrial, Agricultural, Food, Forest (Medicinal & Aromatic Plants), Drug and Pharmaceutical Products. Total Quality Management and ISO 9000 Series
6. Prospects and problems of Laboratory Management to Deliver Quality Goods and Services in Chemistry
  - a) Strengthening Chemical Laboratories With modern methods and Instruments
  - b) Advancement of Chemical Research and Technology Development with Respect to the Development and Sustainable use of Natural Resources in Nepal
  - c) Human Resource Development
  - d) Laboratory Hazards and Safety Protocols etc
7. Role of Chemistry and Chemical Researches in Technology Development for Nepalese Industry
  - a) Chemical Industry

- b) Agro Industry Including Fisheries, Livestock and Dairy Products
  - c) Food Industry
  - d) Medicine/Pharmaceutical Industry
  - e) Forest Based Industry(Medicinal, Aromatic and Other Economically Important Plants)
  - f) Natural Resources Based Industry
  - g) Others
8. Prospects and problems of Laboratory Networking for the overall Development of Science and Technology in Nepal
    - a. Information and Documentation
    - b. Data - Sharing
    - c. Instrumentations and Calibrations
    - d. Human Resource Development
  9. Laboratory Accreditation- Concept, Implementation and issues in Nepal
  10. Regional/ Global Accreditation of Nepalese Laboratories- Opportunities and Challenges
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