

लोक सेवा आयोग
नेपाल इन्जिनियरिङ्ग सेवा, मेकानिकल समूह, जनरल मेकानिकल उपसमूह, रा.प.प्रथम श्रेणीको
(खुला र आन्तरिक प्रतियोगिता) लिखित परीक्षाको पाठ्यक्रम

द्वितीय पत्र:- सेवा सम्बन्धी प्राविधिक विषय

पूर्णाङ्क :- १००

1. Basic Concept

- 1.1 External financing and donor funding policy
- 1.2 Institution strengthening
- 1.3 Budget planning and allocation of resources

2 Contract Management

- 2.1 Procurement including guidelines of World Bank & Asian Development Bank (WB & ADB)
- 2.2 International Standard Bidding Document
- 2.3 National Standard Bidding Document
- 2.4 Dispute resolution

3 Engineering Materials

- 3.1 Mechanical properties of materials
 - 3.1.1 Metals
 - 3.1.2 Non-metals
 - 3.1.3 Alloys
- 3.2 Properties of Fuels and Lubricants and their Application

4 Instrumentation and Measurement

- 4.1 Errors in measurements
- 4.2 Calibration of measuring instruments

5 Hydraulic & Electrical machines

- 5.1 Water Turbines
- 5.2 Electric Motors
- 5.3 Generator

6 Heat Engines

- 6.1 Internal combustion engines
 - 6.1.1 SI Engines
 - 6.1.2 CI Engines
 - 6.1.3 Boiler, properties of steam
 - 6.1.4 Steam turbine

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7 Industrial Engineering and Management

- 7.1 Leadership
- 7.2 Decision making
- 7.3 Inventory management
- 7.4 Total quality management
- 7.5 Project management

8 Environment Pollution Control

- 8.1 Pollution Standards
- 8.2 Preventive measures and pollution control
- 8.3 Initial environmental management system
- 8.4 Environment Impact System
- 8.5 Environmental management system

9 Equipment Machinery Replacement Policy

- 9.1 Life Cycle Costing
 - 9.2 Standardization of Equipment/Machinery
 - 9.3 Equipment/Machinery Selection/Alternatives
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