

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

1. Role & Function of Ministry of Culture Tourism & Civil Aviation and Civil Aviation Authority of Nepal (CAAN)
 - 1.1 Duty, Responsibility & Authority of issuance license for Air Operator Aircraft Maintenance Organization, Flying school, Fleet permission, Fleet Change & Route permission
 - 1.2 Function & Responsibility of Civil Aviation Authority of Nepal

3. Liberal Aviation Policy & Impact Analysis
 - 3.1 Liberalization and deregulation of the airline industry.
 - 3.2 Privatization of airports.
 - 3.3 Investment and privatization issues.
 - 3.4 Impact of Liberal Aviation Policy in Nepal
 - 3.5 Aviation Insurance Policy
 - 3.6 Airlines Business

4. International Civil Aviation Organization and Air Service Agreement
 - 4.1 Overview of International Civil Aviation Organization (ICAO)
 - 4.1.1 History of ICAO
 - 4.1.2 Chicago Convention & Other Conventions/Protocols.
 - 4.1.3 Role and function of ICAO
 - 4.1.4 Structure of ICAO
 - 4.1.5 International Standards & recommended practices (SARPs) in Air Navigation.
 - 4.2 International Air Service Agreement (ASA)
 - 4.2.1 Principles
 - 4.2.2 Elements
 - 4.2.3 Freedom of air
 - 4.2.4 Bilateral Air Services Agreement
 - 4.2.5 Multilateral Air Services Agreement
 - 4.2.6 Negotiation
 - 4.2.7 Traffic Rights
 - 4.2.8 Air Service Agreement with Various Countries

Section B- 20 Marks

2. Aviation Legislation
 - 2.1 Requirement of Civil Aviation legislation
 - 2.2 International Air Law
 - 2.3 Nepalese Civil Aviation Policy, Legislation and Requirements
 - 2.3.1 Civil Aviation Policy of Nepal
 - 2.3.2 Civil Aviation Act - 2015
 - 2.3.3 Civil Aviation Authority of Nepal Act - 2053
 - 2.3.4 Civil Aviation Rules 2052
 - 2.3.5 CAAN Civil Aviation Rules – 2058
 - 2.3.6 Aviation Security (Management) Rules – 2046
 - 2.3.7 Civil Aviation (Investigation of Accident) Rules 2024
 - 2.3.8 Airport Charge Rules 2038

लोक सेवा आयोग

नेपाल इन्जिनियरिङ्ग सेवा, सिभिल एभिएशन अपरेशन एण्ड इन्जिनियरिङ्ग समूह, सिभिल एभिएशन अपरेशन उपसमूह, राजपत्राङ्कित तृतीय श्रेणी पदको खुल्ला प्रतियोगितात्मक परीक्षाको पाठ्यक्रम

- 2.3.9 Manual & Requirement, Air operator certificate requirement (AOCR), Nepalese Civil Airworthiness Requirement, (NCAR), and Flight Operation Requirement. (FOR)
- 2.3.10 Aeronautical Information Publication (AIP) Nepal
- 2.4 Organization and regulation of Int'l Air Transport
- 2.5 Air carrier liability

Section C- 30 Marks

- 5. Air Transportation & Management
 - 5.1 Air Transportation & Development
 - 5.1.1 Role of Air Transportation in International Link.
 - 5.1.2 Developmental impact of air transportation system
 - 5.1.3 Relation between air transportation & Trade/Tourism industry
 - 5.1.4 Role of air transport in the national economy and regional development in Nepal
 - 5.1.5 Obligation of Govt. in Social Sector and Role of Civil Aviation
 - 5.2 Basic Management Issues in Air Transportation
 - 5.2.1 Strategic Planning for Air Transportation
 - 5.2.2 Organizational Process
 - 5.2.3 Leading in Air Transportation
 - 5.2.4 Controlling in Air Transportation
- 6. Airport and Airspace
 - 6.1 Airport Planning
 - 6.1.1 Objective of Airport Planning
 - 6.1.2 Elements of Airport Planning
 - 6.1.3 Planning Criteria
 - 6.1.4 Land use Planning
 - 6.2.5 Economic & environment impact evaluation
 - 6.2 Air Space Management (Planning)
 - 6.2.1 Airspace utilization and management
 - 6.2.2 Routes Planning and management
- 7. Services and Development
 - 7.1 Traffic Forecast (Passenger, Cargo, Mail, Aircraft Movement)
 - 7.1.1 Forecasting process
 - 7.1.2 Technique of forecasting
 - 7.1.3 Selection of forecasting techniques
 - 7.2 Aviation Security and Facilitation
 - 7.2.1 Introduction
 - 7.2.2 Organization, Planning & Management
 - 7.2.3 National civil aviation facilitation programme (NCAFP)
 - 7.2.4 National Civil Aviation Security Programme (NCASP)

Section D- 20 Marks

- 8. Safety Management System
 - 8.1 Safety Culture in Aviation
 - 8.2 ICAO requirement for Safety Management System
 - 8.3 Need for Safety Management System
 - 8.4 Approaches to Safety Management System
 - 8.5 Auditing in Aviation

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9. Meteorology
 - 9.1 Weather Phenomena
 - 9.2 Composition and Structure of Atmosphere
 - 9.3 Thermodynamics of Atmosphere
 - 9.4 Atmosphere Turbulence, Climate, Climatology, Climatic Changes.
 - 9.5 Weather Forecast Method
 - 9.6 Use of weather Forecast in Aviation
 - 9.7 Basic application of meteorological equipment in civil aviation
10. Environment Protection & Aircraft Operations
 - 10.1 Protection of environment due to aircraft operations
 - 10.2 Noise abatement
 - 10.3 Standards of aircraft operations
 - 10.4 Airworthiness
 - 10.5 Transfer of dangerous goods by air
 - 10.6 Human factors associated in aviation
 - 10.7 Satellite based air navigation systems & procedures (viz. GPS, GNSS, RNAV, Instrument procedures)

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प्रथम चरणको लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र
लिइने सामूहिक परीक्षण (Group Test) को लागि

सामूहिक छलफल (Group Discussion)

यस प्रयोजनको लागि गरिने परीक्षण १० पूर्णाङ्क र ३० मिनेट अवधिको हुनेछ जुन नेताविहिन सामूहिक छलफल (Leaderless Group Discussion) को रूपमा अवलम्बन गरिने छ । दिइएको प्रश्न वा Topic का विषयमा पालैपालोसँग निर्दिष्ट समयभित्र समूहबीच छलफल गर्दै प्रत्येक उम्मेदवारले व्यक्तिगत प्रस्तुति (Individual Presentation) गर्नु पर्नेछ । यस परीक्षणमा मूल्याङ्कनको लागि देहाय अनुसारको ३ जना भन्दा बढीको समिति रहनेछ ।

आयोगका सदस्य	-	अध्यक्ष
आयोगका सदस्य	-	सदस्य
मनोविज्ञ	-	सदस्य
दक्ष/विज्ञ (१ जना)	-	सदस्य

सामूहिक छलफलमा दिइने नमूना प्रश्न वा Topic

उदाहरणको लागि - उर्जा संकट, गरीबी निवारण, स्वास्थ्य बीमा, खाद्य सुरक्षा, प्रतिभा पलायन जस्ता Topics मध्ये कुनै एक Topic मात्र दिइनेछ ।