

नेपाल नागरिक उड्डयन प्राधिकरण  
प्राबिधिक सेवा, एभिएशन फायर सर्भिसेज समूह, चौथौ तह, सहायक पदको खुला/आन्तरिक प्रतियोगितात्मक  
परीक्षाको पाठ्यक्रम

द्वितीय पत्र - सेवा सम्बन्धी

खण्ड (क) - ५० अङ्क

1. **Words of Command**
  - 1.1 Importance
  - 1.2 Action and meaning
2. **Nomenclature of Equipment**
  - 2.1 Appliances and equipment
  - 2.2 Ancillaries and accessories
3. **Chemistry of Fire**
  - 3.1 Combustion of fire
  - 3.2 Classification of fire
  - 3.3 Fire extinction method
  - 3.4 Heat and temperature
4. **Hose and Hose Fitting**
  - 4.1 Type of hose
  - 4.2 Use of hose
  - 4.3 Care and maintenance of hose
5. **Fire Station Administration**
  - 5.1 Roll call
  - 5.2 Deployment of crews
  - 5.3 Detailing of appliances and equipment
  - 5.4 Record keeping of crews and equipment
  - 5.5 Discipline
  - 5.6 Reporting
6. **Personnel Protective Equipment and Self-Contained Breathing Apparatus**
  - 6.1 Introduction
  - 6.2 Types
  - 6.3 Components
  - 6.4 Donning and doffing methods
  - 6.5 Care and maintenance
7. **Portable Fire Extinguisher**
  - 7.1 Purpose
  - 7.2 Type
  - 7.2 Use
  - 7.3 Refilling and Testing procedure
8. **Extinguishing Agent**
  - 8.1 Type
  - 8.2 Use
  - 8.3 Characteristics
9. **Fire Service Ladder**
  - 9.1 Type
  - 9.2 Use and handling method
  - 9.3 Testing, care and maintenance

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10. **Ropes and Lines**
  - 10.1 Type
  - 10.2 Use of knot and lines
  - 10.3 Care and maintenance
11. **Fighting Aircraft Fire and Structure of Fire**
  - 11.1 Type of aircraft crash
  - 11.2 Structure fire
  - 11.3 Response procedure
  - 11.4 Runway foaming
12. **Rescue Operation**
  - 12.1 Rescue principle
  - 12.2 Rescue tactics
13. **Airport Emergency Planning**
  - 13.1 Purpose
  - 13.2 Type of emergency
  - 13.3 Responding agencies
  - 13.4 Airport emergency exercises
14. **Level of Protection to be Provided**
  - 14.1 Airport category
  - 14.2 Amounts of extinguishing agents
  - 14.3 Discharge rate
  - 14.4 Response time
  - 14.5 Number of vehicles and equipment
15. **Watch Tower Operation and Communication**
  - 15.1 System and facilities
  - 15.2 Logging System
  - 15.3 Alerting System
  - 15.4 Message receiving and dissemination procedure
  - 15.5 Phraseology of communication
  - 15.6 VHF handling procedure
  - 15.7 Readability check
  - 15.8 Message writing, receiving & passing
16. **Familiarization of Aircraft**
  - 16.1 Aircraft type
  - 16.2 Aircraft design and construction
  - 16.3 Types of fuel and location of fuel tanks
  - 16.4 Lubricants, hydraulic and engine oil and its location
  - 16.5 Aircraft access; exits; escape slide
  - 16.6 Basic fire detection and extinguishing system
17. **Safety Management System (SMS)**
  - 17.1 General concept
  - 17.2 Components and elements
  - 17.3 Safety culture

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18. **Dangerous Goods**  
18.1 Introduction  
18.2 Categories  
18.3 Handling  
18.4 Safe Transport
19. **Aviation Security**  
19.1 General concept  
19.2 Access Control  
19.3 Airside and land side area  
19.4 Airport permit

द्वितीय पत्रबाट निम्नानुसार प्रश्न सोधिनेछ :

खण्ड	अङ्कभार	विषयगत प्रश्न संख्या	
		छोटो उत्तर	लामो उत्तर
(क)	५०	६ प्रश्न X ५ अङ्क= ३०	२ प्रश्न X १० अङ्क= २०
(ख)	५०	६ प्रश्न X ५ अङ्क= ३०	२ प्रश्न X १० अङ्क= २०
जम्मा	१००	१२ प्रश्न X ५ अङ्क= ६०	४ प्रश्न X १० अङ्क= ४०