

नेपाल नागरिक उड्डयन प्राधिकरण
प्राविधिक सेवा, एभिएशन फायर सर्भिसेज समूह, पाँचौं तह, वरिष्ठ 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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खण्ड (ख) – ५० अङ्क

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 |