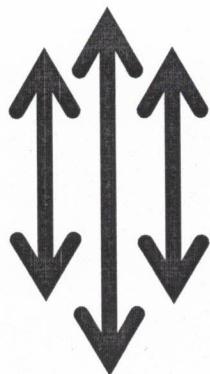
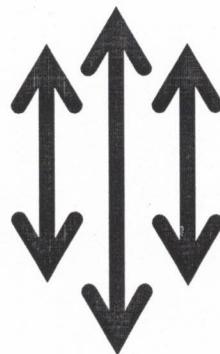


नेपाली सेना

श्री भर्ना छनौट निर्देशनालय, कार्यरथी विभाग,
जंगी अड्डा



प्रा.उ.से.आरमोरर मेकानिक्स (आन्तरिक) पदको लिखित
परीक्षाको पाठ्यक्रम



२०७७

नेपाली सेना

प्रा.उ.से.आरमोरर मेकानिक्स (आन्तरिक) पदको लिखित परीक्षाको पाठ्यक्रम

समय: ४ घण्टा

पूर्णाङ्क : १५०

उत्तीर्णाङ्क : ६०

यो पाठ्यक्रम नेपाली सेनाको प्रा.उ.से.आरमोरर मेकानिक्स (आन्तरिक) पदको उम्मेदवार छनौट परीक्षाको लागि निर्धारण गरिएको हो । लिखित परीक्षामा सरिक हुने उम्मेदवारहरूको पेशा सम्बन्धी विषयलाई आधारमानी प्रश्नहरू सोधिने छ ।

- (क) लिखित परीक्षाको माध्यम नेपाली/अंग्रेजी वा दुवै भाषा हुनेछ ।
- (ख) लिखित परीक्षाबाट छनौट भएका उम्मेदवारहरूलाई मात्र अर्को चरणको परीक्षामा सम्मिलित गराईनेछ ।
- (ग) प्रश्नपत्र निर्माण गर्दा पाठ्यक्रममा समावेश भएका सबै विषयहरूलाई यथासंभव समिट्नेछ ।
- (घ) बस्तुगत र विषयगत संयुक्त रूपमा पूर्णाङ्क र उत्तीर्णाङ्क कायम गरिनेछ ।
- (ड) बस्तुगत र विषयगत परीक्षाको पाठ्यक्रम एउटै हुनेछ ।
- (च) बस्तुगत र विषयगत विषयको लिखित परीक्षा एकैपटक वा छुट्टाछुट्टै गरी लिन सकिनेछ ।
- (छ) यो पाठ्यक्रम मिति २०७७/०६/१८ गतेबाट लागु हुनेछ ।

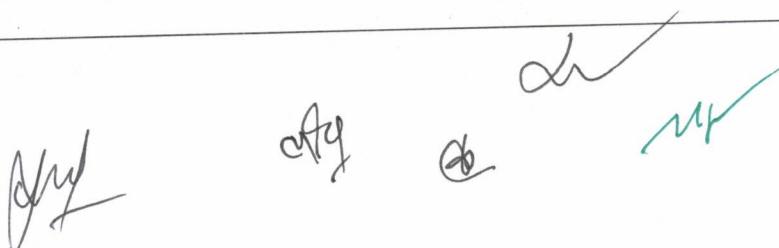
लिखित परीक्षाको योजना र पाठ्यक्रम

| विषय | पूर्णाङ्क | उत्तीर्णाङ्क | परीक्षा प्रणाली | | प्रश्न संख्या अङ्क | समय |
|---------------|-----------|--------------|------------------------|----------------------------|--|---------|
| पेशा सम्बन्धी | ७५ | ६० | बस्तुगत (Objective) | बहु वैकल्पिक प्रश्न (MCQs) | ७५ प्रश्न x १ अङ्क = ७५ | १ घण्टा |
| | ७५ | | विषयगत (Subjective) | छोटो उत्तर लामो उत्तर | ५ प्रश्न x ५ अङ्क = २५ १५ प्रश्न x २ अङ्क = ३० २ प्रश्न x १० अङ्क = २० | ३ घण्टा |

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लिखित परीक्षाको पाठ्यक्रम

| Unit | Topics |
|-------------|---|
| Unit 1 | MACHINE DRAWING Dimension, Tolerances Allowances And Fits, Rivets And Riveted Joints, Weld And Welded Joints, Keys, Cutters And Joints, Shaft Couplings, Sectional Views Of Army Weapons, Screw Threads & Threaded Fasteners, Weapons Parts And Tools Drawing |
| Unit 2 | WORKSHOP TECHNOLOGY Precision Measuring Instrument & Gages, Welder Trade Theory, Lathe Machine, Milling Machine, Preventive Maintenance, Machine Elements, Gas Welding, Tape And Die, Weapon Tools |
| Unit 3 | OPTICAL INSTRUMENT Terms Used In Connection With Light, Optical Instrument and Mechanical Instrument Used in different types of weapon in NA |
| Unit 4 | GUN DESIGN PRINCIPLE Basic Knowledge Of Gun, Structure And Composition Of Gun, Gun classification, Technical stages of gun development, Process of gun design, Firing process, Analysis of the factors affecting bore pressure and muzzle velocity, Analysis of vacuum trajectory of projectile, Air trajectory and projectile dispersion, Structure and classification of barrel assembly, Analysis of bore structure, Design principle of rifling section, General process (consideration) of barrel design, General knowledge about recoil and counter recoil mechanism |
| Unit 5 | PRINCIPLE OF SMALL ARMS Definition of weapon, Classification of fire arms, Evaluation of weapon: Technical and Tactical requirement, Service life, Assembly and Disassembly of some typical weapons, Name of parts, Requirements for storage of weapons, Different shape of rifling bore, Ablation / abrasion, Locking and unlocking, Characteristic of the gas chamber, Gas regulating devices, Automatic mode, Muzzle devices, Ruptured cartridge case, Locking mechanism, Buffer, Extracting mechanism, Trigger, Firing and safety mechanism, Feed mechanism, Sights, Purpose and method of technical inspection |



| | |
|---------|---|
| | RIFLE AND PISTOL GROUP |
| Unit 6 | <p>RIFLE GROUP</p> <p>Rifle 7.62 Mm (SLR) All Marks, Rifle Assault 7.62mm, Rifle 5.56mm M16a2, Rifle Sniper 7.62mm G34, MSG 90, 7.62mm Sniper, 7.62mm Sniper (Chinese), Rifle Spotting 0.5", 5.56mm Insas Rifle Indian, 7.62mm Galil Semi Automatic Sniper Rifle (Israel), 5.56mm G-36 Germany Rifle, 7.62mm Sniper Belgium, Pistols Group, Pistols Signal 1" All Marks, 9mm Pistol Browning (Hp) All Marks, Pistol Bereta 9mm, Pistol SI 9mm USP Compact Germany, 13mm Pyrotechnique -1a, Projector Mini Flare Indian</p> |
| Unit 7 | <p>SUB MACHINE GUN AND MACHINE GUNS</p> <p>9mm Sub-Machine Guns/ Carbine Machine, 5.56mm Colt Commando M16a2, IMI UZI 9mm Sub-Machine Guns, Mp5, 9x19mm SMG (Germany), Gun Machine, Gun Machine 7.62mm (LMG) All Marks, 5.56mm H-Bar M16a2, Gun Machine Browning 0.30", Gun Machine Ranging 0.50", 5.56mm Minimi (LMG) (Belgium), 5.56mm Insas LMG India</p> |
| Unit 8 | <p>ORDNANCE AND ANTI TANK WEAPONS</p> <p>OML 2" Mortar All Marks, OML 81 mm Mortar All Marks, 40mm Rocket Launcher Bazooka, 84 mm RCL Cark Gustaf All Marks, 51 mm Mortar (Indian)</p> |
| Unit 9 | <p>SMALL ARMS GENERAL AND PHOSPHATING PROCEDURE</p> <p>Procedure For The Inspection And Examination Of Weapons, Hot Phosphating Process, Cold Phosphating Process</p> |
| Unit 10 | <p>WORKSHOP ADMINISTRATION & MAINTEANCE MANAGEMENT</p> <ol style="list-style-type: none"> 1. Definition and importance of management, Function of management, Planning – nature types forecasting and budgeting, Organizing –nature structure, And types, Staffing –importance and need for proper staffing types of staff, Directing and motivating –nature varying approach to direct, directing and motivating, Controlling – nature comparing performance with standard, corrective action 2. Introduction to hygiene and safety, Cost and liability of hygiene and safety, General accident prevention and safety 3. Spare part procurement procedure in EME, Reliability and quality of spares 4. Spare parts management, Management of obsolete spare parts, Inventory control of spare parts 5. Maintenance Management, Present Maintenance system in EME units (Brigade, Base workshop, EME Bn, Brigade workshop and Unit ERE) |

Handwritten signatures and initials in blue ink, likely belonging to the author or review panel.

यस पेशा सम्बन्धी विषयको पाठ्यक्रमका एकाईहरुवाट सोधिने प्रश्नहरु निम्नानुसार हुनेछ

| S. N. | Topics | Objective Question and Marks | Subjective Questions & Marks | | |
|--------------|--------|------------------------------|-------------------------------|--------------------------|-------------------------|
| | | | Very Short Question and Marks | Short Question and Marks | Long Question and Marks |
| 1 | Unit1 | 5 X 1 = 5 | 1 X 2 = 2 | | |
| 2 | Unit2 | 5 X 1 = 5 | 2 X 2 = 4 | 1 X 5 = 5 | |
| 3 | Unit3 | 5 X 1 = 5 | 1 X 2 = 2 | | 1 X 10 = 10 |
| 4 | Unit4 | 10 X 1 = 10 | 1 X 2 = 2 | 1 X 5 = 5 | |
| 5 | Unit5 | 10 X 1 = 10 | 2 X 2 = 4 | | |
| 6 | Unit6 | 10 X 1 = 10 | 2 X 2 = 4 | 1 X 5 = 5 | |
| 7 | Unit7 | 10 X 1 = 10 | 2 X 2 = 4 | 1 X 5 = 5 | |
| 8 | Unit8 | 5 X 1 = 5 | 1 X 2 = 2 | | 1 X 10 = 10 |
| 9 | Unit9 | 5 X 1 = 5 | 1 X 2 = 2 | | |
| 10 | Unit10 | 10 X 1 = 10 | 2 X 2 = 4 | 1 X 5 = 5 | |
| Total | | 75 X 1 = 75 | 15 X 2 = 30 | 5 X 5 = 25 | 2 X 10 = 20 |

प्रयोगात्मक परिक्षाको पाठ्यक्रम

समय : ९० मिनेट

पूर्णाङ्क: ५०

उत्तीर्णाङ्क: २५

| S.N. | Topic | Marks | Time (Minutes) |
|------|---|-----------|----------------|
| 1. | Identification of Components of Various Weapons | 10 | 15 |
| 2. | Identification and application of SMTs(Special Maintenance Tools) & Gauges of Various Weapons | 10 | 15 |
| 3. | Inspection & Examination of Weapons | 10 | 25 |
| 4. | Location, Relation & Function of Components of various Weapons | 10 | 20 |
| 5. | Workshop Administration | 10 | 15 |
| | Total | 50 | 90 |

१. Identification of Components of Various Weapons:

परीक्षार्थीले Layout गरी राखिएका विभिन्न हतियारका Parts को Technical नाम लेख्नु पर्ने हुन्छ र दिइएको Parts कहा कहा प्रयोग हुन्छ भन्ने समेत खुलाउनु पर्ने छ । यसमा ५ प्रकारका सामानहरू देखाइनेछ र प्रत्येक नाम र प्रयोग सहि भएमा २ अंक प्रदान गरिनेछ ।

२. Identification and application of SMTs (Special Maintenance Tools) & Gauges of Various Weapons

परीक्षार्थीले Layout गरी राखिएका १० वटा SMTs तथा Gauges को नाम र प्रयोग गर्ने बिधि भन्नु पर्ने हुन्छ । प्रत्येक नाम र प्रयोग सहि भएमा १ अंकको दरले Marks प्रदान गरिनेछ ।

३. Inspection & Examination of Various Weapons

यसमा परीक्षार्थीलाई एउटा हतियारको Inspection & Examination गर्न लगाइने छ । जसमा ५ वटा Fault राखिने छ सहि Fault finding को ५ Marks र सहि Inspection Procedure को ५ Mark गरी जम्मा १० को हुने छ ।

४. Location, Relation & Function of Components of various Weapons

परीक्षार्थीले कूनै एउटा Particular Weapon को Part को Location, Relation र Function बताउनु पर्ने छ । जस मध्ये Location को लागि Mark 2, Relation को लागि Mark 3 र Function को लागि Marks 5 गरी जम्मा 10 Marks दिईनेछ ।

५. Workshop Administration

परीक्षार्थीलाई Workshop Administration सम्बन्धमा Viva पश्च लिईनेछ, उक्त Viva मा १० वटा प्रश्न सोधिनेछ । प्रत्येक सहि उत्तरको अंक १ प्रदान गरिनेछ ।

The End