

नेपाल नागरिक उड्डयन प्राधिकरण
प्रविधिक सेवा, मेकानिकल इन्जिनियरिङ्ग समूह, चौथो तह, सहायक पदको प्रयोगात्मक परीक्षाको पाठ्यक्रम
पूर्णाङ्क : ३० उत्तीर्णाङ्क : १५

A. Workshop Practices (10 Marks)

1. Identification and use of hand tools and special tools
2. Lathe exercise: Turning, Boring, Internal/External thread cutting, Eccentric turning
3. Shop fitting exercise: Cutting, Fitting, Drilling, Tapping, Male and Female Joints
4. Milling exercise: Horizontal milling with cylindrical and Side/Face cutters
5. Arc welding exercise: single vee, butt welding, fillet welding
6. Oxy-acetylene welding, cutting, brazing and soldering

B. Vehicle Maintenance (10 Marks)

1. Change of oil, fuel and air filter
2. Identification and change of lubricants
3. Changing of hydraulic/pneumatic pipe, hose and grease nipples
4. Servicing of cooling, fuel, clutch and brake system
5. Cleaning, Changing, Gap setting of spark plugs
6. Recognition of mis-alignments
7. Identification of electrical components of vehicle
8. Servicing of starter motor
9. Diagnosis and fault finding related to fuses
10. Changing of bearings, disassembly/assembly of electric motor/water pump

C. Air Conditioning System Maintenance (10 Marks)

1. Identification of major components
2. Identification of spare parts
3. Servicing of air conditioning system
4. Dismantling, Assembling, Repair and Maintenance of split air-conditioning unit