



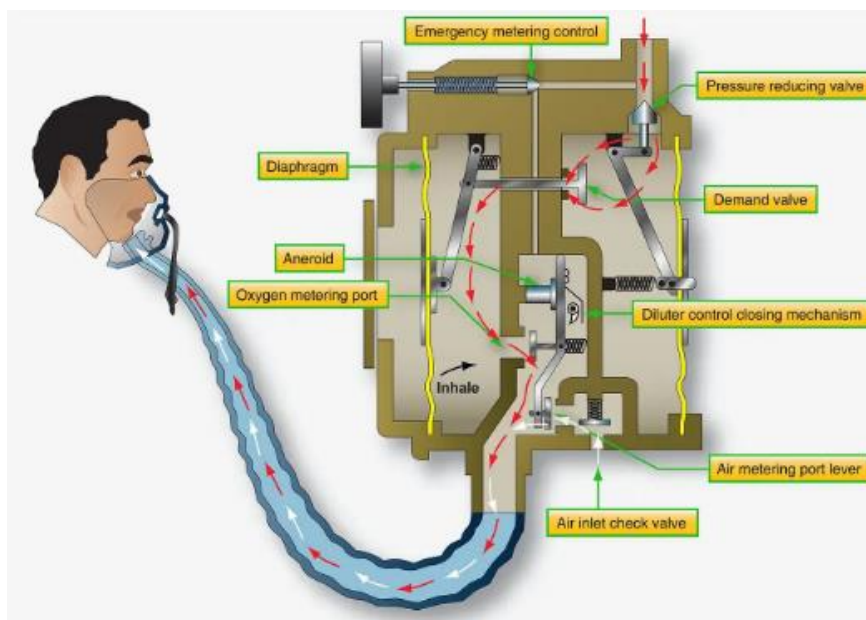
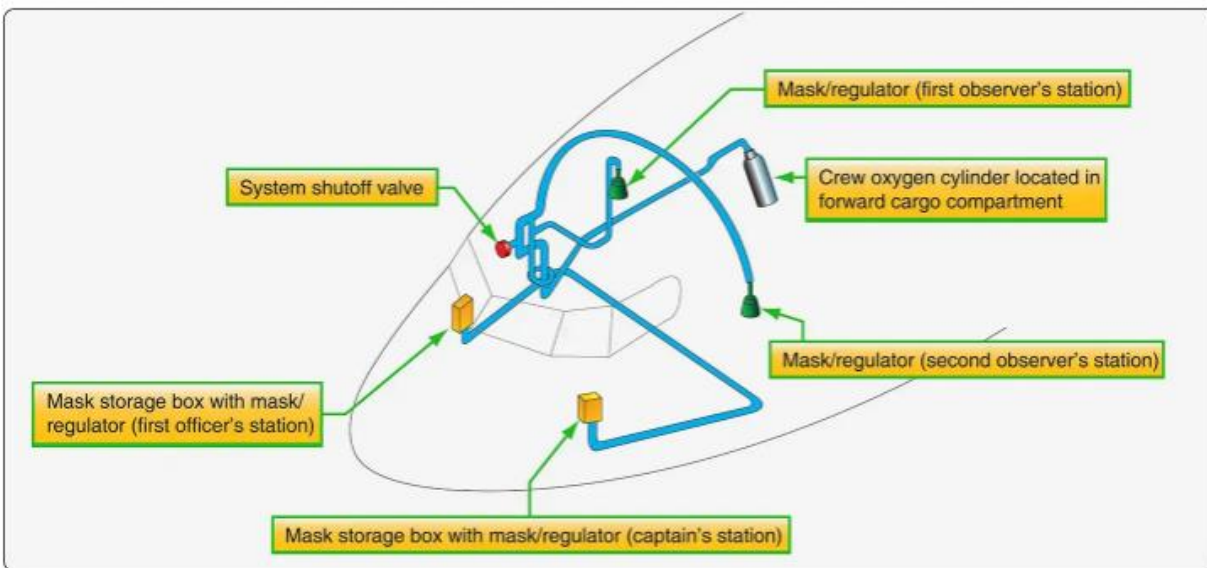
SNS COLLEGE OF TECHNOLOGY
(An Autonomous Institution)
COIMBATORE-35
DEPARTMENT OF AEROSPACE ENGINEERING



Course: 19ASB303-Aircraft Maintenance Engineering

UNIT II - Ground Servicing of Various Sub Systems

UNIT II: U2 LP03: Oxygen and oil systems in Aircraft Maintenance



The oxygen and oil systems are important components of aircraft maintenance, ensuring the safety and reliability of the aircraft. Here's a brief discussion of each system:

Oxygen System: The oxygen system in aircraft is a critical safety feature that provides supplemental oxygen to passengers and crew members in case of a loss of cabin pressure or other emergencies. The system includes oxygen storage tanks, regulators, masks, and other equipment. Maintenance of the oxygen system includes regular inspections, testing, and replacement of components. Oxygen masks, hoses, and regulators are subject to wear and tear over time, so they need to be replaced periodically. Oxygen tanks also require regular hydrostatic testing to ensure their integrity and safety.

Oil System: The oil system in aircraft is responsible for lubricating the engine components and reducing friction between moving parts. The system includes an oil tank, oil cooler, filters, and other components.

Regular maintenance of the oil system is important to ensure the engine operates properly and to prevent damage or failures. Maintenance includes regular oil changes, filter replacements, and inspections for leaks or other problems. Oil analysis is also conducted periodically to check for signs of engine wear or other issues.

In addition to regular maintenance, aircraft operators must comply with regulations and guidelines regarding oxygen and oil systems. This includes following manufacturer instructions, complying with safety regulations, and keeping accurate records of maintenance activities.

