SY201 Electrical System

Objective 1: Define terminology and concepts to the electrical system
Objective 2: Identify primary power-generator system components
Objective 3: Identify characteristics of normal operations for primary power generator system
Objective 4: Identify characteristics of components and normal operations for electrical distribution system
Objective 5: Identify characteristics of components and normal operations for secondary power system
Objective 6: Identify aircraft lighting system components and normal operations

SY202 Fuel System

Objective 7: Identify fuel storage components and operations
Objective 8: Identify fuel fill system components and normal operations
Objective 9: Identify engine feed system components
Objective 10: Identify characteristics of normal operations for engine feed system.
Objective 11: Identify characteristics of normal operations for fuel indicating systems
Objective 12: Identify distribution/venting/auto balance system components
Objective 13: Identify characteristics of normal operations for distribution/venting/auto balance system

SY204 Propulsion 1

Objective 14: Identify components and operating principles of the propulsion system
Objective 15: Identify engine system components and operations
Objective 16: Identify components and functions of the PCL system
Objective 17: Identify components and functions of the PMU system
Objective 18: Describe starter system components and operating principles
Objective 19: Identify oil system components and functions
Objective 20: Describe propeller system components and operating principals

SY205 Propulsion 2

Objective 21: Identify the purpose of the engine data manager (EDM)
Objective 22: Describe engine Indication and crew alerting system (EICAS)
Objective 23: Identify engine indications and crew alerting system (EICAS) display sections.
Objective 24: Identify engine indication and crew alerting system (EICAS) operating principals
Objective 25: Identify purpose of engine fire warning system
Objective 26: Identify components and functions of the fire warning system
SY207 Environmental System 1

Objective 27: Identify major components of the environmental system
Objective 28: Identify environmental control panel components and its function.
Objective 29: Identify characteristics of normal operations for ventilation system
Objective 30: Identify characteristics of normal operations for heating system
Objective 31: Identify characteristics of normal operations of the defogging system
Objective 32: characteristics on normal operations for air conditioning system

SY208 Environmental System 2

Objective 33: Identify pressurization system components and functions
Objective 34: Identify characteristics of normal operations for pressurization system
Objective 35: Identify anti-G system components and functions
Objective 36: Identify components and normal operations for the OBOGS system
Objective 37: Identify components and functions of emergency oxygen system
Objective 38: Identify characteristics of normal operations for emergency oxygen system

SY209 Canopy System

Objective 39: Identify components and functions of the canopy /ejection system
Objective 40: Identify canopy latching/sealing components and functions
Objective 41: Identify characteristics of normal operations for canopy system
Objective 42: Identify purpose of the canopy fracturing system
Objective 43: Identify canopy fracturing system components
Objective 44: Identify characteristics of operations for canopy fracturing system

SY210 Ejection System

Objective 45: Identify characteristics of the ejection seat
Objective 46: Identify ejection seat components and functions
Objective 47: Identity ejection seat/interseat sequence system components to functions
Objective 48: Identify ejection seat/rocket motor system components to functions
Objective 49: Identify characteristics of normal operations for ejection seat/general system
Objective 50: Identify ejection seat sequence system