Exam T-6B SYS2
Bank Name: Sys2 - A

1 **Question** Question 001 **Type:** MC **Objective** **Item** T-6B SYS2

Which of the following are correct major components of the electrical system?

A. Starter/generator, 24 VDC battery, and backup 28 VDC battery pack
B. External power receptacle, starter/generator, and backup alternator
C. Starter/generator, external power receptacle, and AC/DC power converter
* D. Starter/generator, 24 VDC battery, 24 VDC auxiliary battery

Correct D
Explanation: N/A
Reference SY201 SG pg 1-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

2 **Question** Question 002 **Type:** MC **Objective** **Item** T-6B SYS2

The aircraft main battery is rated to provide _____.

O A. 18 VDC; 5 amp/hour
R B. 24 VDC; 5 amp/hour
D * C. 24 VDC; 42 amp/hour
E D. 28 VDC; 42 amp/hour

Correct C
Explanation: N/A
Reference SY201 SG pg 1-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

3 **Question** Question 003 **Type:** MC **Objective** **Item** T-6B SYS2

The generator function of the starter/generator provides _____.

A. backup aircraft power
B. standby power for aircraft avionics
* C. primary aircraft power
D. power for the starter

Correct C
Explanation: N/A
Reference SY201 SG pg 1-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

4 **Question** Question 004 **Type:** MC **Objective** **Item** T-6B SYS2

On the right console panel in each cockpit are circuit breakers protecting systems and equipment operating from the _____.

* A. generator bus
B. cockpit power bus
C. external power bus
D. battery bus

Correct A
Explanation: N/A
Reference SY201 SG pg 1-10
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - A

5 **Question** Question 005 **Type:** MC **Objective** **Item** T-6B SYS2

The BUS TIE switch on the right forward switch panel in the front cockpit is used to _____.

* A. tie the battery bus and generator bus together for normal operation
  B. control the power from the generator
  C. connect the power for all the avionics and radio systems in both cockpits
  D. tie the battery bus and generator bus together for emergency operation

Correct A
Explanation: N/A
Reference SY201 SG pg 1-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

6 **Question** Question 006 **Type:** MC **Objective** **Item** T-6B SYS2

The ability to control the generator using the generator control switch is _____.

* A. transferable between cockpits
  B. permanently assigned to the front cockpit
  C. permanently assigned to the rear cockpit
  D. transferred automatically if either cockpit control fails

Correct A
Explanation: N/A
Reference SY201 SG pg 1-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

7 **Question** Question 007 **Type:** MC **Objective** **Item** T-6B SYS2

_____are provided to protect aircraft systems and equipment which receive power from the generator and battery buses.

* A. Circuit breakers
B. Current limiting switches
C. Surge arrestors
D. Backup generators

Correct A
Explanation: N/A
Reference SY201 SG pg 1-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

8 **Question** Question 008 **Type:** MC **Objective** **Item** T-6B SYS2

External aircraft lighting for the T-6B is controlled by four individual switches which are the _____ switches.

A. landing, taxi, strobe, and anti-crash
B. taxi/landing, strobe, flood, and navigation
* C. landing, taxi, anti-collision, and navigation
D. taxi/landing, anti-collision, flood, and navigation

Correct C
Explanation: N/A
Reference SY201 SG pg 1-29
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

9 **Question** Question 009 **Type:** MC **Objective** **Item** T-6B SYS2

The landing light will come on_____.

A. anytime the LDG switch is on
B. only when the LDG and taxi switches are both on and the landing gear is down and locked
* C. only when the LDG switch is on and the landing gear is down and locked
D. automatically when there is low ambient light

Correct C
Explanation: N/A
Reference SY201 SG pg 1-29
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

10 **Question** Question 010 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel for the T-6B is stored in _____ separate tanks.

* A. three
B. two
C. six
D. four

Correct A
Explanation: N/A
Reference SY201 SG pg 2-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - A

11 **Question** Question 011 **Type:** MC **Objective** **Item** T-6B SYS2

When using the primary T-6B refueling method, the aircraft fuel system provides approximately _____ of usable fuel.

O A. 1200 pounds
R * B. 1100 pounds
D C. 1200 gallons
E D. 1100 gallons

Correct B
Explanation: N/A
Reference SY202 SG pg 2-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

12 **Question** Question 012 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ routes fuel to the _____ which controls fuel delivery to the engine.

A. transfer jet pumps; motive flow line unit
B. electrical boost pump; engine-driven low pressure fuel pump
* C. engine-driven high pressure fuel pump; fuel management unit
D. primary jet pump; fuel management unit

Correct C
Explanation: N/A
Reference SY202 SG pg 2-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

13 **Question** Question 013 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ is mounted in the collector rank and provides for initial engine start and serves as a backup to the engine-driven low pressure fuel pump.

A. engine-driven low pressure fuel pump
B. primary jet pump
C. engine-driven high pressure fuel pump
* D. electric boost pump

Correct D
Explanation: N/A
Reference SY202 SG pg 2-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

14 **Question** Question 014 **Type:** MC **Objective** **Item** T-6B SYS2

The single point refueling system refuels_____.

A. the collector tank first and then gravity feeds the wing tanks
* B. both wing tanks simultaneously
C. the right wing tank followed by the left wing tank
D. the left wing tank followed by the right wing tank

Correct B
Explanation: N/A
Reference SY202 SG pg 2-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

15 **Question** Question 015 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel is directed to the collector tank from each wing tank by _____, keeping the collector tank pressurized.

A. the collector tank pressure pump
B. the electric boost pump
C. a primary jet pump
* D. two transfer jet pumps

Correct D
Explanation: N/A
Reference SY202 SG pg 2-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

16 **Question** Question 016 **Type:** MC **Objective** **Item** T-6B SYS2

A pressure switch in the motive flow line activates the _____ anytime fuel pressure drops below 10 psi and the PCL is above the start ready position.

A. transfer jet pumps
* B. electric boost pump
C. engine-driven high pressure pump
D. primary jet pump

Correct B
Explanation: N/A
Reference SY202 SG pg 2-15
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

17 **Question** Question 017 **Type:** MC **Objective** **Item** T-6B SYS2

Which of the following statement is correct concerning the engine fuel feed line shutoff valves?

A. The firewall shutoff valve is provided to isolate the fuel system for engine or fuel maintenance.

B. The maintenance shutoff valve stops fuel flow to the engine and is activated by the firewall shutoff handle.

* C. The firewall shutoff valve stops fuel flow to the engine and is activated by the firewall shutoff handle.

D. Both shutoff valves are provided to isolate the fuel filter system for engine or fuel maintenance.

Correct C
Explanation: N/A
Reference SY202 SG pg 2-13
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

18 **Question** Question 018 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel level sensors in each wing tank cause either right or left fuel level low CAS caution messages to display whenever the fuel quantity in that tank is below _____.

O A. 50 lbs

R B. 50 gallons

D * C. 110 lbs

E D. 110 gallons

Correct C
Explanation: N/A
Reference SY202 SG pg 2-21
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

19 **Question** Question 019 **Type:** MC **Objective** **Item** T-6B SYS2

The fuel flow indicator in the EICAS display presents fuel flow in _____.

O A. gallons per minutes
R B. gallons per hour

D C. pounds per minute

E * D. pounds per hour

Correct D
Explanation: N/A
Reference SY202 SG pg 2-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

20 **Question** Question 020 **Type:** MC **Objective** **Item** T-6B SYS2

Display of the FUEL BAL message may indicate an imbalance exceeding _____ pounds for more than _____ minutes between the left and right fuel tanks.

O A. 20; 2
R * B. 30; 2

D C. 50; 3

E D. 70; 3

Correct B
Explanation: N/A
Reference SY202 SG pg 2-21
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - A

21 **Question** Question 021 **Type:** MC **Objective** **Item** T-6B SYS2

What are the two major components for the propulsion system?

A. Engine cowling and PCL
B. Propeller and reduction gearbox
* C. Engine and propeller
D. PCL and engine

Correct C
Explanation: N/A
Reference SY204 SG pg 4-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

22 **Question** Question 022 **Type:** MC **Objective** **Item** T-6B SYS2

What three elements are necessary for operation of the engine?

A. Air, oil, and fuel
B. Air, fuel, and electricity
* C. Air, fuel, and heat
D. Oil, fuel, and heat

Correct C
Explanation: N/A
Reference SY204 SG pg 4-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

23 **Question** Question 023 **Type:** MC **Objective** **Item** T-6B SYS2

What are the three major sections of the engine?

A. Compressor, combustion, and reduction areas
B. Compressor, combustion, and power sections
* C. Accessory compartment, gas generation section, and power turbine section
D. Accessory compartment, compressor section, and combustion section

Correct C
Explanation: N/A
Reference SY204 SG pg 4-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

24 **Question** Question 024 **Type:** MC **Objective** **Item** T-6B SYS2

What is meant by the term “free turbine”?

A. This is where the free air temperature is measured.
B. Air does not move from the compressor to the power turbine.
C. The “free” air stream drives the power turbine.
* D. The compressor and power turbines are not physically connected.

Correct D
Explanation: N/A
Reference SY204 SG pg 4-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

25 **Question** Question 025 **Type:** MC **Objective** **Item** T-6B SYS2

The starter/generator _____ until the engine starts and is able to sustain itself.

A. turns the propeller
B. turns the power turbine
C. provides fuel
* D. turns the compressor

Correct D
Explanation: N/A
Reference SY204 SG pg 4-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

26 **Question** Question 026 **Type:** MC **Objective** **Item** T-6B SYS2

For autostart, the ignition switch should be placed in the _____.

A. START position
* B. NORM position
C. START detent
D. ON position

Correct B
Explanation: N/A
Reference SY204 SG pg 4-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - A

27 **Question** Question 027 **Type:** MC **Objective** **Item** T-6B SYS2

The oil system provides oil under pressure to which of the following?

A. Nose wheel steering
* B. Engine bearings and propeller
C. Engine-driven fuel pump and engine bearings
D. Propeller, generator, and fuel management unit

Correct B
Explanation: N/A
Reference SY204 SG pg 4-31
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

28 **Question** Question 028 **Type:** MC **Objective** **Item** T-6B SYS2

With the engine above IDLE power a red OIL PX message illuminates when oil pressure falls below _____psi.

O A. 15
R * B. 40
D C. 50
E D. 90

Correct B
Explanation: N/A
Reference SY204 SG pg 4-37
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

29 **Question** Question 029 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ and the _____ control propeller speed to maintain a constant propeller speed of 2000 RPM and achieve varying levels of thrust by automatically adjusting propeller pitch.

A. fuel flow regulator; fly weights
* B. PMU; propeller interface unit
C. feathering spring; regulator unit
D. torque probe; scavenger unit

Correct B
Explanation: N/A
Reference SY204 SG pg 4-40
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

30 **Question** Question 030 **Type:** MC **Objective** **Item** T-6B SYS2

Which propeller position will the propeller be in during most flight conditions?

* A. high propeller pitch
B. thrust position
C. low propeller pitch
D. feather position

Correct A
Explanation: N/A
Reference SY204 SG pg 4-42
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

31 **Question** Question 031 **Type:** MC **Objective** **Item** T-6B SYS2

The fire warning system consists of a core element, sensor tube, and responder assembly. The sensor tubes are built such that _____don't affect system reliability.

* A. kinks, twists, or dents
  B. core element disintegration
  C. responder assembly malfunctions
  D. helium gas leaks

Correct A
Explanation: N/A
Reference SY205 SG pg 5-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

32 **Question** Question 032 **Type:** MC **Objective** **Item** T-6B SYS2

Air for cockpit heating, canopy defogging, and cockpit pressurization is provided by _____.

  A. recirculated engine exhaust
  B. ram intake air
* C. engine bleed air
  D. compressed air tanks

Correct C
Explanation: N/A
Reference SY207 SG pg 7-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

33 **Question** Question 033 **Type:** MC **Objective** **Item** T-6B SYS2

The _____, combined with input from two temperature sensors, controls the position of the heat exchanger bypass valve to maintain desired cockpit temperature.

A. BLEED AIR INFLOW switch
B. RAM AIR FLOW switch
* C. temperature controller
D. vent control lever

Correct C
Explanation: N/A
Reference SY207 SG pg 7-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

34 **Question** Question 034 **Type:** MC **Objective** **Item** T-6B SYS2

The RAM AIR FLOW switch on the environmental control panel in the front cockpit controls the amount of fresh air entering the cockpit and is overridden when _____.

A. the weight-on-wheels switch is activated after takeoff and the pressurization system begins to operate
B. either cockpit vent control lever is moved to the OFF position
C. the TEMP CONTROL switch is moved to the MANUAL position
* D. the aircraft reaches an altitude of about 8000 feet and the pressurization system begins to operate

Correct D
Explanation: N/A
Reference SY207 SG pg 7-11
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

35 **Question** Question 035 **Type:** MC **Objective** **Item** T-6B SYS2

The air conditioning system's _____ draws warm cockpit air through the evaporator coils to absorb the heat from the air.

* A. evaporator blower
  B. compressor
  C. high-pressure pump
  D. condenser

Correct A
Explanation: N/A
Reference SY207 SG pg 7-24
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

36 **Question** Question 036 **Type:** MC **Objective** **Item** T-6B SYS2

The air conditioning system's _____ converts refrigerant vapor to a high pressure liquid.

* A. condenser
  B. compressor
  C. evaporator blower
  D. evaporator module

Correct A
Explanation: N/A
Reference SY207 SG pg 7-23
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

37 **Question** Question 037 **Type:** MC **Objective** **Item** T-6B SYS2

The environmental control system panel is located on the _____ in the front cockpit.

* A. right side console
B. lower right instrument panel
C. upper left instrument panel
D. left side console

Correct A
Explanation: N/A
Reference SY207 SG pg 7-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

38 **Question** Question 038 **Type:** MC **Objective** **Item** T-6B SYS2

Once emergency oxygen flow is started, the emergency cylinder will supply oxygen for approximately _____ minutes.

O A. 5
R * B. 10
D C. 15
E D. 20

Correct B
Explanation: N/A
Reference SY207 SG pg 8-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

39 **Question** Question 039 **Type:** MC **Objective** **Item** T-6B SYS2

The T-6B cockpit is pressure sealed by the seal around the bottom of the canopy and the _____.

A. firewall, aft pressure flooring, and center bulkhead
B. firewall and aft pressure bulkhead
C. firewall and pressure flooring
* D. firewall, pressure flooring, and aft pressure bulkhead

Correct D
Explanation: N/A
Reference SY208 SG pg 8-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

40 **Question** Question 040 **Type:** MC **Objective** **Item** T-6B SYS2

After takeoff, power is applied to the _____which closes, allowing the control valve to regulate cockpit pressure as the aircraft approaches 8000 feet pressure altitude.

A. delta P regulator
* B. dump solenoid
C. cockpit pressure regulator
D. safety valve

Correct B
Explanation: N/A
Reference SY208 SG pg 8-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

41 **Question** Question 041 **Type:** MC **Objective** **Item** T-6B SYS2

Which of the following canopy sections provide enhanced birdstrike protection?

A. All canopy sections
* B. Front windscreen and forward transparency
C. Forward and rear transparencies
D. Front windscreen and rear transparency

Correct B
Explanation: N/A
Reference SY209 SG pg 9-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

42 **Question** Question 042 **Type:** MC **Objective** **Item** T-6B SYS2

Each of the following components/systems are part of the T-6B canopy system, EXCEPT the _____.

A. canopy pressurization sealing system
B. canopy locking/latching system
* C. canopy quick release maintenance handle
D. canopy fracturing system

Correct C
Explanation: N/A
Reference SY209 SG pg 9-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

43 **Question** Question 043 **Type:** MC **Objective** **Item** T-6B SYS2

In order to close the canopy from the outside, you must first _____.

A. connect external aircraft power
B. deflate the canopy seal
* C. pull the canopy lock release handle in either cockpit
D. latch the canopy release control handle

Correct C
Explanation: N/A
Reference SY209 SG pg 9-10
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

44 **Question** Question 044 **Type:** MC **Objective** **Item** T-6B SYS2

What aircraft power must be available for the Canopy Fracturing System (CFS) to operate?

A. electrical
B. hydraulic
C. pneumatic
* D. aircraft power is not required

Correct D
Explanation: N/A
Reference SY209 SG pg 9-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

45 **Question** Question 045 **Type:** MC **Objective** **Item** T-6B SYS2

The internal CFS handles initiate the process that_____.

A. fractures both canopy transparencies
B. unlocks and opens the canopy
* C. only fractures the transparency for its respective cockpit
D. fractures the canopy frame and transparencies

Correct C
Explanation: N/A
Reference SY209 SG pg 9-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

46 **Question** Question 046 **Type:** MC **Objective** **Item** T-6B SYS2

The T-6B ejection seat is designed to provide rapid ejection capability at zero altitude and zero airspeed up to _____feet and _____ KIAS.

O A. 30,000; 300
R B. 31,000; 350
D * C. 35,000; 370
E D. 37,000; 370

Correct C
Explanation: N/A
Reference SY210 SG pg 10-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

47 **Question** Question 047 **Type:** MC **Objective** **Item** T-6B SYS2

During the ejection sequence, the _____ignites as the seat reaches the top of the rails.

A. manifold cartridge
* B. rocket motor
C. manifold cartridge and the rocket motor
D. rocket motor and the CFS

Correct B
Explanation: N/A
Reference SY210 SG pg 10-22
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

48 **Question** Question 048 **Type:** MC **Objective** **Item** T-6B SYS2

Where is the ejection seat safety pin installed when you want to safe the seat?

A. Directly into the ejection seat MOR handle
B. Into the ejection seat armrest
C. Into the SSK selector valve
* D. Directly into the ejection handle mechanism

Correct D
Explanation: N/A
Reference SY210 SG pg 10-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - A

49 **Question** Question 049 **Type:** MC **Objective** **Item** T-6B SYS2

With the ISS set to BOTH, the sequence of the two seat ejections is _____.

A. front, then rear
B. determined by which pilot initiates it
* C. rear, then front
D. simultaneous

Correct C
Explanation: N/A
Reference SY210 SG pg 10-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

50 **Question** Question 050 **Type:** MC **Objective** **Item** T-6B SYS2

The (PIRD) Powered Inertia Retraction Device _____.

O A. secures the harness to the lap belt assembly
R * B. properly positions the pilot during ejection
D C. ensures freedom of movement by the pilot during ejection
E D. secures the SSK to the lap belt assembly

Correct B
Explanation: N/A
Reference SY210 SG pg 10-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

1 **Question** Question 051 **Type:** MC **Objective** **Item** T-6B SYS2

The electrical component which regulates and monitors the starter/generator is called the _____.

* A. generator control unit
B. electrical regulator
C. electronic monitoring unit
D. starter/generator monitor

Correct A
Explanation: N/A
Reference SY201 SG pg 1-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

2 **Question** Question 052 **Type:** MC **Objective** **Item** T-6B SYS2

The generator provides _____ power to operate aircraft electrical equipment.

O A. 12 VDC
R B. 24 VDC
D * C. 28 VDC
E D. 120 VAC

Correct C
Explanation: N/A
Reference SY201 SG pg 1-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

3 **Question** Question 053 **Type:** MC **Objective** **Item** T-6B SYS2

When the occupant of either cockpit moves the generator control switch to ON, the switch in the other cockpit (if already selected ON) _____.

A. is locked in its current position
B. trips the GEN SW circuit breaker
* C. is tripped to the OFF position
D. remains in the ON position

Correct C
Explanation: N/A
Reference SY201 SG pg 1-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

4 **Question** Question 054 **Type:** MC **Objective** **Item** T-6B SYS2

The ability to control the battery using the battery control switch is _____.

A. permanently assigned to the front cockpit
* B. transferable between cockpits
C. permanently assigned to the rear cockpit
D. transferred automatically if either cockpit control fails

Correct B
Explanation: N/A
Reference SY201 SG pg 1-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

5 **Question** Question 055 **Type:** MC **Objective** **Item** T-6B SYS2

Under normal operating conditions, T-6B electrical power is distributed across the _____ and the _____.

* A. generator bus; battery bus
  B. standby bus; generator bus
  C. standby bus; external power bus
  D. external power bus; battery bus

Correct A
Explanation: N/A
Reference SY201 SG pg 1-10
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

6 **Question** Question 056 **Type:** MC **Objective** **Item** T-6B SYS2

With the BUS TIE switch engaged (in the NORM position), the generator provides electrical power to the _____.

  A. avionics bus only
* B. generator and battery buses
  C. battery bus only
  D. generator bus only

Correct B
Explanation: N/A
Reference SY201 SG pg 1-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

7 **Question** Question 057 **Type:** MC **Objective** **Item** T-6B SYS2

On the left console panel in each cockpit are circuit breakers protecting systems and equipment operating from the _____.

A. cockpit power bus
B. generator bus
C. external power bus
* D. battery bus

Correct D
Explanation: N/A
Reference SY201 SG pg 1-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

8 **Question** Question 058 **Type:** MC **Objective** **Item** T-6B SYS2

The secondary electrical system's auxiliary battery is rated at _____.

O A. 12 VDC, 5 amp/hour
R * B. 24 VDC, 5 amp/hour
D C. 24 VDC, 42 amp/hour
E D. 28VDC, 42 amp/hour

Correct B
Explanation: N/A
Reference SY201 SG pg 1-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

9 **Question** Question 059 **Type:** MC **Objective** **Item** T-6B SYS2

(TRUE/FALSE) Instrument panel lights are controlled through a knob labeled INST. This includes LSK and UFCP backup illumination levels.

O * A. TRUE
R B. FALSE

D

E

Correct A
Explanation: N/A
Reference
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

10 **Question** Question 060 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel is stored in _____.

A. a storage tank, a collector tank, and a feed tank
* B. two wing tanks and a collector tank
C. a refuel staging tank and two wing tanks
D. a wing tank, a centerline feed tank, and a scavenger tank

Correct B
Explanation: N/A
Reference SY202 SG pg 2-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

11 **Question** Question 061 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ provides fuel for initial engine start and acts as a backup to the engine-driven low pressure fuel pump.

* A. electric boost pump
  B. transfer jet pump
  C. primary jet pump
  D. engine-driven high-pressure fuel pump

Correct A
Explanation: N/A
Reference SY202 SG pg 2-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

12 **Question** Question 062 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ tank stores approximately 40 pounds of fuel.

  A. left wing
  B. right wing
  C. aft fuselage
* D. collector

Correct D
Explanation: N/A
Reference SY202 SG pg 2-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

13 **Question** Question 063 **Type:** MC **Objective** **Item** T-6B SYS2

When using the primary T-6B refueling method, maximum useable fuel in each wing tank is approximately _____ pounds.

O A. 500
R * B. 530
D C. 560
E D. 590

Correct B
Explanation: N/A
Reference SY202 SG pg 2-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

14 **Question** Question 064 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ ensures a minimum of 15 second supply of fuel is available regardless of aircraft orientation.

A. electric boost pump
B. primary jet pump
C. wing tank flapper valve
* D. flip-flop valve

Correct D
Explanation: N/A
Reference SY202 SG pg 2-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

15 **Question** Question 065 **Type:** MC **Objective** **Item** T-6B SYS2

Which refueling method can place more fuel in the wing tanks?

A. Both methods have the same maximum fill capacity
* B. Over-the-wing gravity refueling
C. Single point pressure refueling
D. Aerial refueling

Correct B
Explanation: N/A
Reference SY202 SG pg 2-11
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

16 **Question** Question 066 **Type:** MC **Objective** **Item** T-6B SYS2

When a fuel imbalance occurs, a transfer (solenoid) valve closes the motive flow line to the _____.

A. manifold valve
B. collector tank
* C. light tank
D. heavy tank

Correct C
Explanation: N/A
Reference SY202 SG pg 2-27
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

17 **Question** Question 067 **Type:** MC **Objective** **Item** T-6B SYS2

The CAS warning message, FUEL PX, is activated by the _____ and indicates the fuel pressure in the motive flow line is less than 10 psi.

A. electric boost pump
* B. low pressure switch
C. high pressure switch
D. motive flow switch

Correct B
Explanation: N/A
Reference SY202 SG pg 2-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

18 **Question** Question 068 **Type:** MC **Objective** **Item** T-6B SYS2

The fuel gauging system uses seven fuel probes inside the fuel tanks to _____.

A. transmit the fuel from the wing tanks to the collector tank
B. send a signal to the UFCP for visual display of fuel flow
C. reduce corrosion within the fuel tank
* D. send a signal to the Engine Indication and Crew Altering System (EICAS) for visual display of fuel quantity

Correct D
Explanation: N/A
Reference SY202 SG pg 2-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

19 **Question** Question 069 **Type:** MC **Objective** **Item** T-6B SYS2

_____ is measured by the fuel flow transmitter and is displayed in _____.

A. Inter-wing fuel transfer; pounds per second
* B. Engine fuel consumption; pounds per hour
C. Refueling rate; pounds per hour
D. Boost pump pressure; psi

Correct B
Explanation: N/A
Reference SY202 SG pg 2-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

20 **Question** Question 070 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ delivers fuel to the _____, which manages fuel flow to the engine.

O A. transfer jet pump; engine-driven high pressure fuel pump
R B. transfer jet pump; FMU
D C. engine-driven low pressure fuel pump; primary jet pump
E * D. engine-driven high pressure fuel pump; FMU

Correct D
Explanation: N/A
Reference SY202 SG pg 2-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

21 **Question** Question 071 **Type:** MC **Objective** **Item** T-6B SYS2

The primary purpose of the engine is to _____.

* A. produce power
  B. produce lift
  C. compress air
  D. turn engine accessories

Correct A
Explanation: N/A
Reference SY204 SG pg 4-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

22 **Question** Question 072 **Type:** MC **Objective** **Item** T-6B SYS2

The engine cowling does all of the following EXCEPT _____.

* A. provides 2% additional lift
  B. reduces drag
  C. provides air intake for engine cooling
  D. protects the engine components

Correct A
Explanation: N/A
Reference SY204 SG pg 4-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

23 **Question** Question 073 **Type:** MC **Objective** **Item** T-6B SYS2

What are the three major sections of the engine?

O A. compressor, combustion, and reduction areas
R B. compressor, combustion, and power sections
D * C. accessory compartment, gas generation section, and power turbine section
E D. accessory compartment, compressor section, and combustion section

Correct C
Explanation: N/A
Reference SY204 SG pg 4-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

24 **Question** Question 074 **Type:** MC **Objective** **Item** T-6B SYS2

The power turbine section contains which of the following components?

* A. the propeller shaft, reduction gearbox, exhaust case, and power turbine
B. the reduction gearbox, combustion chamber, and exhaust case
C. the exhaust case, compressor turbine, combustion chamber, and propeller
D. the compressor turbine, propeller shaft, and power turbine

Correct A
Explanation: N/A
Reference SY204 SG pg 4-11
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

25 **Question** Question 075 **Type:** MC **Objective** **Item** T-6B SYS2

What is the function of the reduction gearbox?

A. provides power to engine accessories
B. provides a mechanical link between the compressor and combustion sections
* C. reduces power turbine output shaft speed and drives the propeller
D. reduces the pressure of the exhaust

Correct C
Explanation: N/A
Reference SY204 SG pg 4-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

26 **Question** Question 076 **Type:** MC **Objective** **Item** T-6B SYS2

During a normal start, the starter remains engaged until _____.

* A. the engine starts and is able to run at idle
B. the starter switch is moved to the NORM position
C. the starter switch is moved to manual
D. 30 seconds have elapsed

Correct A
Explanation: N/A
Reference SY204 SG pg 4-28
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

27 **Question** Question 077 **Type:** MC **Objective** **Item** T-6B SYS2

The chip detector sensor is located _____.

A. in the hot oil return line
* B. in the reduction gear box
C. in the oil tank
D. in the cooling assembly

Correct B
Explanation: N/A
Reference SY202 SG pg 4-34
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

28 **Question** Question 078 **Type:** MC **Objective** **Item** T-6B SYS2

With the engine at IDLE power a red OIL PX message illuminates when oil pressure falls below _____ psi.

O * A. 15
R B. 40
D C. 50
E D. 90

Correct A
Explanation: N/A
Reference SY204 SG pg 4-37
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

29 **Question** Question 079 **Type:** MC **Objective** **Item** T-6B SYS2

The propeller converts engine power into _____.

A. torque
B. shaft horsepower
* C. thrust
D. vertical lift

Correct C
Explanation: N/A
Reference SY204 SG pg 4-39
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

30 **Question** Question 080 **Type:** MC **Objective** **Item** T-6B SYS2

Which of the following propeller positions produce the least amount of thrust and drag?

A. high propeller pitch
B. low propeller pitch
* C. feather position
D. all propeller positions create equal thrust and drag

Correct C
Explanation: N/A
Reference SY204 SG pg 4-42
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

31 **Question** Question 081 **Type:** MC **Objective** **Item** T-6B SYS2

The engine fire warning system consists of a core element, a sensor tube, and _____.

A. a thermostat
* B. a responder assembly
C. a temperature gauge
D. microswitches

Correct B
Explanation: N/A
Reference SY205 SG pg 5-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

32 **Question** Question 082 **Type:** MC **Objective** **Item** T-6B SYS2

The pilot in the rear cockpit has control of which environmental system component?

A. rear cockpit bleed air inflow
* B. rear cockpit blower fan speed only
C. all environmental systems
D. rear cockpit heating temperature

Correct B
Explanation: N/A
Reference SY207 SG pg 7-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

33 **Question** Question 083 **Type:** MC **Objective** **Item** T-6B SYS2

Cockpit heat is provided by _____, routed through a heat exchanger and/or a heat exchanger bypass valve, through the firewall, and into the cockpit.

A. filtered engine exhaust
* B. warm engine bleed air
C. electrically heated air
D. recirculated cockpit air

Correct B
Explanation: N/A
Reference SY207 SG pg 7-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

34 **Question** Question 084 **Type:** MC **Objective** **Item** T-6B SYS2

T-6B cockpit cooling is provided by a vapor cycle _____ system.

A. evaporator blower
B. ventilation
C. ram air
* D. air conditioning

Correct D
Explanation: N/A
Reference SY207 SG pg 7-22
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

35 **Question** Question 085 **Type:** MC **Objective** **Item** T-6B SYS2

The EVAP BLWR control(s) is/are located in the _____ and provide(s) power to the _____.

A. front and rear cockpits; outside ram air
B. rear cockpit only; rear evaporator blower
C. front cockpit only; front evaporator blower
* D. front and rear cockpits; evaporator blowers

Correct D
Explanation: N/A
Reference SY207 SG pg 7-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

36 **Question** Question 086 **Type:** MC **Objective** **Item** T-6B SYS2

The bleed air inflow control switch controls how much _____ air will be provided to the environmental system.

A. cool engine bleed
* B. hot engine bleed
C. recirculated
D. outside ram

Correct B
Explanation: N/A
Reference SY207 SG pg 7-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

37 **Question** Question 087 **Type:** MC **Objective** **Item** T-6B SYS2

Setting the _____ switch to ON opens the bi-level flow control bypass valve (defog valve) to provide a higher volume of bleed air flow to the system.

A. TEMP CONTROL
B. Vent lever
C. AIR COND
* D. DEFOG

Correct D
Explanation: N/A
Reference SY207 SG pg 7-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

38 **Question** Question 088 **Type:** MC **Objective** **Item** T-6B SYS2

The emergency oxygen cylinder is considered adequately charged if the pointer is anywhere in the black band, otherwise _____.

O A. flight is restricted to below 10,000' MSL
R * B. maintenance should be notified
D C. only unpressurized flight is authorized
E D. flight is restricted to below 8000' MSL

Correct B
Explanation: N/A
Reference SY208 SG pg 8-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

39 **Question** Question 089 **Type:** MC **Objective** **Item** T-6B SYS2

Cockpit pressure altitude is maintained by the control valve at _____ feet until a cockpit pressure differential of 3.6 ±0.2 psi is reached at 18,069 feet.

* A. 8000
B. 10,000
C. 12,000
D. 16,000

Correct A
Explanation: N/A
Reference SY208 SG pg 8-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

40 **Question** Question 090 **Type:** MC **Objective** **Item** T-6B SYS2

Oxygen _____ are installed in the right side console in each cockpit and control OBOGS electrical power and oxygen flow.

* A. regulators
B. plenums
C. concentrators
D. supply monitors

Correct A
Explanation: N/A
Reference SY208 SG pg 8-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - B

41 **Question** Question 091 **Type:** MC **Objective** **Item** T-6B SYS2

The T-6B is equipped with a single, side-opening, _____ operated canopy.

A. electrically
B. hydraulically
C. pneumatically
* D. manually

Correct D
Explanation: N/A
Reference SY209 SG pg 9-4
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

42 **Question** Question 092 **Type:** MC **Objective** **Item** T-6B SYS2

Do not open the canopy if surface winds exceed _____ knots.

O A. 25
R B. 30
D C. 35
E * D. 40

Correct D
Explanation: N/A
Reference SY209 SG pg 9-10
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

43 **Question** Question 093 **Type:** MC **Objective** **Item** T-6B SYS2

The major canopy components of the T-6B are the _____.

A. environmental system, canopy frame, canopy fracturing system
B. canopy latching system, electric canopy motor, canopy frame, front and rear transparencies
C. canopy frame assembly, hydraulic canopy motor, front and rear transparencies
* D. canopy frame assembly, front windscreen, forward transparency , and rear transparency

Correct D
Explanation: N/A
Reference SY209 SG pg 9-4
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

44 **Question** Question 094 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ light and _____ message illuminate if the canopy is not down and locked.

O A. MASTER WARN; UNLOCK
R B. MASTER CAUT; UNLOCK
D * C. MASTER WARN; CANOPY
E D. MASTER CAUT; CANOPY

Correct C
Explanation: N/A
Reference SY209 SG pg 9-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

45 **Question** Question 095 **Type:** MC **Objective** **Item** T-6B SYS2

The external CFS handles initiate the process that _____.

A. fractures the canopy frame and transparencies
B. jettisons the transparency for its respective cockpit
C. unlocks and opens the canopy
* D. fractures both canopy transparencies

Correct D
Explanation: N/A
Reference SY209 SG pg 9-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

46 **Question** Question 096 **Type:** MC **Objective** **Item** T-6B SYS2

The T-6B ejection seat is designed to provide rapid ejection capability at zero altitude and zero airspeed up to _____ feet and _____ KIAS.

A. 30,000; 300
* B. 35,000; 370
C. 31,000; 350
D. 37,000; 370

Correct B
Explanation: N/A
Reference SY210 SG pg 10-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

47 **Question** Question 097 **Type:** MC **Objective** **Item** T-6B SYS2

When flying dual, the ISS should be set to _____ to allow _____.

O A. BOTH; simultaneous ejections
R * B. BOTH; either pilot to initiate dual ejections
D C. SOLO; both pilots to initiate dual ejections
E D. SOLO; either pilot to initiate dual ejections

Correct B
Explanation: N/A
Reference SY210 SG pg 10-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

48 **Question** Question 098 **Type:** MC **Objective** **Item** T-6B SYS2

During ejection, the _____ automatically retracts the shoulder harness straps.

A. Headbox Power Retraction Unit
B. Automatic Reel Retraction Unit
* C. Powered Inertia Retraction Device
D. Harness Reel Activation Drive

Correct C
Explanation: N/A
Reference SY210 SG pg 10-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

49 **Question** Question 099 **Type:** MC **Objective** **Item** T-6B SYS2

What happens if the SSK; Automatic Deployment Unit (ADU) mode selector value is set to the AUTO position?

A. The SSK is lowered 10 seconds after ejection
* B. The SSK is lowered 4.0 seconds after seat-pilot separation
C. The SSK is lowered 4.0 seconds after ejection
D. The SSK is lowered 10 seconds after seat-pilot separation

Correct B
Explanation: N/A
Reference SY210 SG pg 10-33
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

50 **Question** Question 100 **Type:** MC **Objective** **Item** T-6B SYS2

When should the Manual Override (MOR) Handle be used?

O A. To manually initiate seat/pilot separation if the automatic system fails
R B. If seat/pilot separation is desired above 14,000 feet MSL
D C. If ejection over mountainous terrain exceeding 8000 feet MSL
E * D. All of the above are correct

Correct D
Explanation: N/A
Reference SY210 SG pg 10-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

1 **Question** Question 101 **Type:** MC **Objective** **Item** T-6B SYS2

Which of the following are correct major components of the electrical system?

A. Start/generator, 24 VDC battery, and backup 28 VDC battery pack
* B. Starter/generator, 24 VDC battery, and 24 VDC auxiliary battery
C. External power receptacle, starter/generator, and backup alternator
D. Starter/generator, external power receptacle, and AC/DC power converter

Correct B
Explanation: N/A
Reference SY201 SG pg 1-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

2 **Question** Question 102 **Type:** MC **Objective** **Item** T-6B SYS2

In normal operation, components assigned to the battery and generator buses are fed by power supplied from _____.

A. the primary battery
* B. the generator
C. the external power receptacle
D. the auxiliary battery

Correct B
Explanation: N/A
Reference SY201 SG pg 1-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

3 **Question** Question 103 **Type:** MC **Objective** **Item** T-6B SYS2

The generator provides _____ power to operate aircraft electrical equipment.

A. 12 VDC
* B. 28 VDC
C. 24 VDC
D. 120 VAC

Correct B
Explanation: N/A
Reference SY201 SG pg 1-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

4 **Question** Question 104 **Type:** MC **Objective** **Item** T-6B SYS2

On the right console panel in each cockpit are circuit breakers protecting systems and equipment operating from the _____.

A. cockpit power bus
B. external power bus
* C. generator bus
D. battery bus

Correct C
Explanation: N/A
Reference SY201 SG pg 1-10
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

5 **Question** Question 105 **Type:** MC **Objective** **Item** T-6B SYS2

The ability to control the battery using the battery control switch is _____.

A. permanently assigned to the front cockpit
B. permanently assigned to the rear cockpit
C. transferred automatically if either cockpit control fails
* D. transferable between cockpits

Correct D
Explanation: N/A
Reference SY201 SG pg 1-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

6 **Question** Question 106 **Type:** MC **Objective** **Item** T-6B SYS2

If a component or circuit malfunction occurs, the affected circuit breaker should _____.

A. illuminate to indicate the problem while shutting off electrical current flow to that component or circuit
* B. "pop", or open, shutting off electrical current flow to that component or circuit
C. "click" closed and activate an aural tone
D. "pop", or close, maintaining electrical current flow to that component or circuit

Correct B
Explanation: N/A
Reference SY201 SG pg 1-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

7 **Question** Question 107 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ switch must be set to ON for external power to be available in the aircraft.

A. avionics master
B. generator
C. auxiliary battery
* D. battery

Correct D
Explanation: N/A
Reference SY201 SG pg 1-23
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

8 **Question** Question 108 **Type:** MC **Objective** **Item** T-6B SYS2

The battery powers select aircraft systems if the generator is not available, and provides power for _____.

A. the auxiliary generator
* B. engine starts
C. starting the generator prior to engine start
D. charging the auxiliary battery

Correct B
Explanation: N/A
Reference SY201 SG pg 1-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

9 **Question** Question 109 **Type:** MC **Objective** **Item** T-6B SYS2

The utility light on the right console of each cockpit can be detached and relocated to the _____ for use as an area or map light.

A. top of the instrument panel
* B. right canopy rail
C. seat side panel
D. canopy bow

Correct B
Explanation: N/A
Reference SY201 SG pg 1-28
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

10 **Question** Question 110 **Type:** MC **Objective** **Item** T-6B SYS2

When using the primary T-6B refueling method, the aircraft fuel system provides approximately _____ of usable fuel.

O A. 1100 gallons
R B. 1200 gallons
D * C. 1100 pounds
E D. 1200 pounds

Correct C
Explanation: N/A
Reference SY202 SG pg 2-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

11 **Question** Question 111 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel for the T-6B is stored in _____ separate tanks.

A. two
B. six
* C. three
D. four

Correct C
Explanation: N/A
Reference SY202 SG pg 2-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

12 **Question** Question 112 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ provides fuel for initial engine start and acts as a backup to the engine-driven low pressure fuel pump.

A. transfer jet pump
* B. electric boost pump
C. primary jet pump
D. engine-driven high-pressure fuel pump

Correct B
Explanation: N/A
Reference SY202 SG pg 2-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

13 **Question** Question 113 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ is located in the collector tank and ensures an uninterrupted fuel supply to the engine during inverted flight operations.

* A. flip-flop valve
  B. defuel valve
  C. engine-driven low pressure fuel pump
  D. electric boost pump

Correct A
Explanation: N/A
Reference SY202 SG pg 2-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

14 **Question** Question 114 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ routes fuel to the _____ which controls fuel delivery to the engine.

  A. transfer jet pumps; motive flow line unit
* B. engine-driven high pressure fuel pump; fuel management unit
  C. electrical boost pump; engine-driven low pressure fuel pump
  D. primary jet pump; fuel management unit

Correct B
Explanation: N/A
Reference SY202 SG pg 2-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

15 **Question** Question 115 **Type:** MC **Objective** **Item** T-6B SYS2

The single point refueling system refuels _____.

A. the collector tank first and then gravity feeds the wing tanks
B. the right wing tank followed by the left wing tank
C. the left wing tank followed by the right wing tank
* D. both wing tanks simultaneously

Correct D
Explanation: N/A
Reference SY202 SG pg 2-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

16 **Question** Question 116 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel is directed to the collector tank from each wing tank by _____, keeping the collector tank pressurized.

* A. two transfer jet pumps
B. the collector tank pressure pump
C. the electric boost pump
D. a primary jet pump

Correct A
Explanation: N/A
Reference SY202 SG pg 2-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

17 **Question** Question 117 **Type:** MC **Objective** **Item** T-6B SYS2

Fuel level sensors in each wing tank cause either right or left fuel low CAS caution messages to display whenever the fuel quantity in that tank is below _____.

O A. 50 lbs
R B. 50 gallons
D C. 110 gallons
E * D. 110 lbs

Correct D
Explanation: N/A
Reference SY202 SG pg 2-21
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

18 **Question** Question 118 **Type:** MC **Objective** **Item** T-6B SYS2

The CAS warning message, FUEL PX, is activated by the _____ and indicates the fuel pressure in the motive flow line is <10 psi.

A. electric boost pump
B. high pressure switch
C. motive flow switch
* D. low pressure switch

Correct D
Explanation: N/A
Reference SY202 SG pg 2-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

19 **Question** Question 119 **Type:** MC **Objective** **Item** T-6B SYS2

_____ is measured by the fuel flow transmitter and is displayed in _____.

A. Inter-wing fuel transfer; pounds per second
B. Refueling rate; pounds per hour
* C. Engine fuel consumption; pounds per hour
D. Boost pump pressure; psi

Correct C
Explanation: N/A
Reference SY202 SG pg 2-20
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

20 **Question** Question 120 **Type:** MC **Objective** **Item** T-6B SYS2

Display of the FUEL BAL message may indicate an imbalance exceeding _____ pounds for more than two minutes between the left and right fuel tanks.

O A. 10
R B. 20
D * C. 30
E D. 40

Correct C
Explanation: N/A
Reference SY202 SG pg 2-21
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

21 **Question** Question 121 **Type:** MC **Objective** **Item** T-6B SYS2

The engine and propeller combine to create _____.

A. energy
B. drag
C. lift
* D. thrust

Correct D
Explanation: N/A
Reference SY204 SG pg 4-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

22 **Question** Question 122 **Type:** MC **Objective** **Item** T-6B SYS2

What three elements are necessary for operation of the engine?

A. Air, oil, and fuel
* B. Air, fuel, and heat
C. Air, fuel, and electricity
D. Oil, fuel, and heat

Correct B
Explanation: N/A
Reference SY204 SG pg 4-8
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

23 **Question** Question 123 **Type:** MC **Objective** **Item** T-6B SYS2

After combustion, the expanding gases _____.

* A. drive the compressor turbine, which perpetuates the cycle
  B. drive the reduction gear box
  C. drive the reduction turbine
  D. drive the power turbine, which perpetuates the cycle

Correct A
Explanation: N/A
Reference SY204 SG pg 4-7 and 4-11
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

24 **Question** Question 124 **Type:** MC **Objective** **Item** T-6B SYS2

The oil tank, accessory gearbox, battery, and starter/generator are located in the _____.

  A. compression section
* B. accessory compartment
  C. power turbine section
  D. gas generation section

Correct B
Explanation: N/A
Reference SY204 SG pg 4-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

25 **Question** Question 125 **Type:** MC **Objective** **Item** T-6B SYS2

What is meant by the term "free turbine"?

A. This is where the free air temperature is measured.
B. Air does not move from the compressor to the power turbine.
C. The “free” air stream drives the power turbine.
* D. The compressor and power turbines are not physically connected.

Correct D
Explanation: N/A
Reference SY204 SG pg 4-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

26 **Question** Question 126 **Type:** MC **Objective** **Item** T-6B SYS2

During engine start, the starter turns the _____ via linkage in the accessory gearbox.

* A. compressor
B. power turbine
C. propeller
D. distributor shaft

Correct A
Explanation: N/A
Reference SY204 SG pg 4-28
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

27 **Question** Question 127 **Type:** MC **Objective** **Item** T-6B SYS2

The oil system provides oil under pressure to which of the following?

A. Nose wheel steering
B. Engine-driven fuel pump and engine bearings
* C. Engine bearings and propeller
D. Propeller, generator, and fuel management unit

Correct C
Explanation: N/A
Reference SY204 SG pg 4-31
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

28 **Question** Question 128 **Type:** MC **Objective** **Item** T-6B SYS2

If the oil pressure remains between 15 and 40 psi at IDLE for more than 5 seconds, _____ will be illuminated.

A. the yellow(amber) OIL PX message
B. the red OIL PX message
* C. both the red and yellow (amber) message
D. neither OIL PX message

Correct C
Explanation: N/A
Reference SY204 SG pg 4-37
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

29 **Question** Question 129 **Type:** MC **Objective** **Item** T-6B SYS2

The _____ and the _____ control propeller speed to maintain a constant propeller speed of 2000 RPM and achieve varying levels of thrust by automatically adjusting propeller pitch.

A. fuel flow regulator; fly weights
B. feathering spring; regulator unit
* C. PMU; propeller interface unit
D. torque probe; scavenger unit

Correct C
Explanation: N/A
Reference SY204 SG pg 4-40
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

30 **Question** Question 130 **Type:** MC **Objective** **Item** T-6B SYS2

With a loss of oil pressure to the pitch change mechanism, the _____ and _____ move the propeller to feather.

A. feathering spring; torque probe
B. airflow; counterweights
* C. counterweights; feathering spring
D. airflow; feathering spring

Correct C
Explanation: N/A
Reference SY204 SG pg 4-43
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

31 **Question** Question 131 **Type:** MC **Objective** **Item** T-6B SYS2

The engine fire warning system monitors _____.

A. discrete engine temperature and engine oil temperature
* B. average and discrete engine temperatures
C. engine oil temperature, and average and discrete engine temperatures
D. average engine temperature and engine oil temperature

Correct B
Explanation: N/A
Reference SY205 SG pg 5-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

32 **Question** Question 132 **Type:** MC **Objective** **Item** T-6B SYS2

Air for cockpit heating, canopy defogging, and cockpit pressurization is provided by _____.

A. recirculated engine exhaust
* B. engine bleed air
C. ram intake air
D. compressed air tanks

Correct B
Explanation: N/A
Reference SY207 SG pg 7-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

33 **Question** Question 133 **Type:** MC **Objective** **Item** T-6B SYS2

With the front cockpit vent control lever set to FOOT, a control valve in each cockpit is set to divert the airflow to the _____ below the instrument panel.

A. electric distribution fans
B. floor ducts
* C. footwarmers
D. cockpit side vents

Correct C
Explanation: N/A
Reference SY207 SG pg 7-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

34 **Question** Question 134 **Type:** MC **Objective** **Item** T-6B SYS2

The air conditioning system operates only _____.

* A. when the engine is on and functioning, the generator is on-line, and the AIR COND or DEFOG switch is ON
B. after external electrical power is disconnected, the battery is ON, and the DEFOG switch is ON
C. when the airplane is airborne, the generator is on-line, and the vent control lever is set to FOOT
D. when the engine is on and functioning, the battery is ON, and the AIR COND or DEFOG switch is ON

Correct A
Explanation: N/A
Reference SY207 SG pg 7-23
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

35 **Question** Question 135 **Type:** MC **Objective** **Item** T-6B SYS2

Controls for the defogging system are located within _____ on the environmental control panel and on the vent control panel.

* A. the front cockpit
  B. the rear cockpit
  C. the ECS maintenance access bay
  D. both cockpits

Correct A
Explanation: N/A
Reference SY207 SG pg 7-18
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

36 **Question** Question 136 **Type:** MC **Objective** **Item** T-6B SYS2

Setting the _____ switch to ON opens the bi-level flow control bypass valve (defog valve) to provide a higher volume of bleed air flow to the system.

  A. TEMP CONTROL
* B. DEFOG
  C. Vent lever
  D. AIR COND

Correct B
Explanation: N/A
Reference SY207 SG pg 7-19
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

37 **Question** Question 137 **Type:** MC **Objective** **Item** T-6B SYS2

The air conditioning system's ____ converts refrigerant vapor to a high pressure liquid.

* A. condenser
B. compressor
C. evaporator blower
D. evaporator module

Correct A
Explanation: N/A
Reference SY207 SG pg 7-23
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

38 **Question** Question 138 **Type:** MC **Objective** **Item** T-6B SYS2

Cockpit pressure altitude is maintained by the control valve at _____ feet until a cockpit pressure differential of 3.6 ±0.2 psi is reached at 18,069 feet.

O A. 16,000
R B. 12,000
D C. 10,000
E * D. 8000

Correct D
Explanation: N/A
Reference SY208 SG pg 8-6
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

39 **Question** Question 139 **Type:** MC **Objective** **Item** T-6B SYS2

The CAS warning message, CKPT PX, indicates the cockpit pressure differential exceeds _____ psi.

A. 2.9 to 3.0
B. 3.3 to 4.0
* C. 3.9 to 4.0
D. 3.6 to 3.8

Correct C
Explanation: N/A
Reference SY208 SG pg 8-9
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

40 **Question** Question 140 **Type:** MC **Objective** **Item** T-6B SYS2

A concentrator in the OBOGS unit automatically adjusts the oxygen _____ for the current altitude based on the current cockpit pressure.

A. pressure
B. flow
C. temperature
* D. concentration

Correct D
Explanation: N/A
Reference SY208 SG pg 8-13
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

41 **Question** Question 141 **Type:** MC **Objective** **Item** T-6B SYS2

Which type aircraft power must be available to open or close the canopy?

O A. pneumatic
R B. electrical

D C. hydraulic

E * D. none of the above, the canopy is manually operated

Correct D
Explanation: N/A
Reference SY209 SG pg 9-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

42 **Question** Question 142 **Type:** MC **Objective** **Item** T-6B SYS2

The weight of the T-6B canopy is counterbalanced by _____ during opening/closing operations.

A. pneumatic cylinders
B. electrical clutches
* C. oil-filled struts
D. mechanical counterweights

Correct C
Explanation: N/A
Reference SY209 SG pg 9-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

43 **Question** Question 143 **Type:** MC **Objective** **Item** T-6B SYS2

The canopy pressure seal activates automatically when _____.

A. the PCL is moved from ST READY to IDLE
* B. bleed air inflow is available and weight is off the right main landing gear
C. immediately after engine start with the canopy locked
D. the interior canopy control handle is placed to CLOSE

Correct B
Explanation: N/A
Reference SY209 SG pg 9-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

44 **Question** Question 144 **Type:** MC **Objective** **Item** T-6B SYS2

When closing the canopy, a _____ indicator in the mechanical latch indicator view port indicates proper latching.

A. red
B. orange
C. yellow (amber)
* D. green

Correct D
Explanation: N/A
Reference SY209 SG pg 9-14
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

45 **Question** Question 145 **Type:** MC **Objective** **Item** T-6B SYS2

The canopy fracturing system _____.

A. only operates when the pilot(s) eject
B. uses pneumatic power to eject the entire canopy frame assembly for the pilot(s) to egress
* C. uses explosive charges to shatter canopy transparencies
D. uses explosive charges to shatter the forward windscreen allowing the pilot to climb out

Correct C
Explanation: N/A
Reference SY209 SG pg 9-16
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

46 **Question** Question 146 **Type:** MC **Objective** **Item** T-6B SYS2

The T-6B ejection seat is designed to provide rapid ejection capability at zero altitude and zero airspeed up to _____ feet and _____KIAS.

O A. 30,000; 300
R B. 31,000; 350
D C. 37,000; 350
E * D. 35,000; 370

Correct D
Explanation: N/A
Reference SY210 SG pg 10-5
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

47 **Question** Question 147 **Type:** MC **Objective** **Item** T-6B SYS2

When flying dual, the ISS should be set to _____ to allow _____.

O A. SOLO; either pilot to initiate dual ejections
R B. SOLO; both pilots to initiate dual ejections

D C. BOTH; simultaneous ejections

E * D. BOTH; either pilot to initiate dual ejections

Correct D
Explanation: N/A
Reference SY210 SG pg 10-17
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

48 **Question** Question 148 **Type:** MC **Objective** **Item** T-6B SYS2

The powered inertia retraction device _____.

A. secures the harness to the lap belt assembly
B. ensures freedom of movement by the pilot during ejection
* C. properly positions the pilot during ejection
D. secures the SSK to the lap belt assembly

Correct C
Explanation: N/A
Reference SY210 SG pg 10-12
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

Exam T-6B SYS2
Bank Name: Sys2 - C

49 **Question** Question 149 **Type:** MC **Objective** **Item** T-6B SYS2

When should the Manual Override (MOR) Handle be used?

O A. To manually initiate seat/pilot separation if the automatic system fails
R B. If seat/pilot separation is desired above 14,000 feet MSL

D C. If ejection over mountainous terrain exceeding 8000 feet MSL

E * D. All of the above are correct

Correct D
Explanation: N/A
Reference SY210 SG pg 10-7
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A

50 **Question** Question 150 **Type:** MC **Objective** **Item** T-6B SYS2

The ejection seat CFS initiator activates the canopy fracturing system _____.

A. when the rocket motor ignites
B. before the seat moves
C. when the CFS circuit breaker is tripped
* D. as the seat rises up the catapult rails

Correct D
Explanation: N/A
Reference SY210 SG pg 10-23
Keywords:
Points: 1.00 **Penalty:** 0.00 **Score** Active
Date Created: 02/08/12 **Date Modified:** **Date**
Difficulty: N/A
Discriminatio N/A