USAF Academy Flight Training Center

Cessna C-172 SP Emergency Procedures Closed Book Exam 12 Oct 2023 – Answer Key

ENGINE FIRE DURING START

1. Cranking – CONTINUE			
If Engine Starts:			
2. Power – 1800 RPM			
3. Engine – SHUTDOWN			
If Engine Fails to Start:			
4. Cranking – CONTINUE			
5. Throttle – FULL OPEN			
6. Mixture – IDLE CUT-OFF			
7. Fuel Shutoff Valve – OFF (Pull Full Out)			
8. Auxiliary Fuel Pump Switch – OFF			

ENGINE FAILURE DURING TAKEOFF RUN

1. Throttle – IDLE	
Brakes – APPLY	

ENGINE FAILURE DURING FLIGHT

1. Airspeed – BEST GLIDE	
2. Fuel Shutoff Valve – ON (Push Full In)	
3. Fuel Selector Valve – BOTH	
4. Auxiliary Fuel Pump Switch – ON	
5. Mixture – RICH (if restart has not occurred)	
6. Ignition Switch – BOTH (or START if propeller is stopped)	

ENGINE FIRE IN FLIGHT

1. Mixture – IDLE CUT OFF	
2. Fuel Shutoff Valve – PULL OUT (OFF)	
3. Auxiliary Fuel Pump Switch – OFF	
4. Master Switch – OFF	

ELECTRICAL FIRE IN FLIGHT

1. Master Switch – OFF	
2. Vents, Cabin Air, Heat – CLOSED	
3. Fire Extinguisher – ACTIVATE	

V _A at Max Gross Weight	105 KIAS	V _{FE} 10° Flaps	110 KIAS
V _A at 2200 lbs	98 KIAS	V _{FE} 10° - 30° Flaps	85 KIAS
V _A at 1900 lbs	90 KIAS	Best Glide at Max Gross	68 KIAS