## **Q34**

## ATPL Solutions - Determining maximum allowable payload

The maximum allowable payload will be limited by the **MOST RESTRICTIVE** of the following factors:

- Maximum zero fuel weight
- Maximum ramp weight
- Maximum take off weight
- Maximum landing weight

Each case needs to be tested to check which is the MOST RESTRICTIVE

MAX. ZERO FUEL WEIGHT RESTRICTED

Additional payload = 14,500 lbs - 13,890 lbs = 610 lbs

MAX. RAMP WEIGHT RESTRICTED

Additional payload = 21,000 lbs - 20,136 lbs = 864 lbs

MAX. TAKE OFF WEIGHT RESTRICTED

Additional payload = 20,700 lbs - 19,836 lbs = 864 lbs

MAX. LANDING WEIGHT RESTRICTED

Additional payload = 19,000 lbs - 15,152 lbs = 3,848 lbs