Assignment 11

This is due data for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1. Which of the following isn’t part of Operating Empty Weight?
   - Emergency Equipment
   - Cargo Baggage Weight
   - Life Rafts and Lashes
   - Fuel and Ballast
   - No, the answer is incorrect: 0 points

2. Maximum Range Weight (MRRW) is defined as
   - Weight of the Aircraft with Mission Fuel only
   - Weight of the Aircraft with Total Fuel, and maximum Payload
   - Weight of the Aircraft with Total Fuel, but no Payload
   - Weight of the Aircraft including the Safety Equipment and Crew
   - No, the answer is incorrect: 0 points

3. Harmonic Range is defined as
   - Range with Maximum Fuel and Maximum Takeoff Weight
   - Range with Maximum Payload and Maximum Takeoff Weight
   - Range with Maximum Takeoff Weight and Mission Fuel
   - Range with Minimum Payload and Maximum Fuel
   - No, the answer is incorrect: 0 points

4. Which of the following statements is TRUE with respect to Aircraft Weight Build-up?
   - Taxiway Weight: Includes Payload Weight, Fuel Weight, and Operating Empty Weight
   - Fuel Weight: Includes Minimum Fuel Weight and Reserving Fuel Weight
   - Payload Weight: Includes Passenger Weight, Baggage Weight, and Weight of the equipment for passenger safety and emergency oxygen equipment
   - Operating Empty Weight: Includes the Weight of the equipment for passenger safety and emergency oxygen equipment
   - No, the answer is incorrect: 0 points

5. The following data is related to a transport aircraft:
   - Maximum Range Weight = 60,000 kg
   - Maximum Payload Weight = 20,000 kg
   - Operating Empty Weight = 10,000 kg
   - Fuel required for: 200 km, cruising at 25,000 kg
   - Takeoff Weight = 50 kg
   - Specific Range = 0.2 m/kg

   Estimate the Harmonic Range (in km):
   - No, the answer is incorrect: 0 points

6. Which of these issues provided to reduce noise in an aircraft?
   - Creation of controls behind an aircraft
   - Low-Entropy Ratios
   - Pressure Fluctuations in Boundary Layer
   - Noise from blown wind
   - No, the answer is incorrect: 0 points

7. Which of the following statements are TRUE?
   - Acoustic level of noise due to aircraft is 90 (SPL)
   - Aircraft noise contours are drawn using a weighted adjustment, i.e., dB(lw)
   - Community noise equivalent level (CNEQ) has different weighting factors for day, evening and night
   - Effective Perceived Noise Level (EPNL) takes care of subjective effects of loudness and annoyance, as well as the duration
   - No, the answer is incorrect: 0 points

8. Which of the following parts inside the major source of noise in an aircraft?
   - Exhaust Jet from engine
   - Propeller in case of propeller driven aircraft
   - Side slip edge
   - Noise from blown wind
   - No, the answer is incorrect: 0 points

9. Displacement Noise is caused due to
   - Exhaust of Pressure Engines
   - Pressure Fluctuations in Boundary Layer
   - Rotor Noise in Compression
   - Schiff Body Noise
   - No, the answer is incorrect: 0 points

10. Noise is generated by the synthesis of ALE and CO2 is termed as
    - Blasting Sound
    - Rotor-Turbine Noise
    - Power-to-Love
    - Hydrocarbon Noise
    - No, the answer is incorrect: 0 points

Due on 2020-12-02, 23:00 IST.