Assignment 10
The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1. Which of these phases generally affect the Life Cycle Cost the highest?
   - Design and Development
   - Support & Operations
   - Production

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - Operations and Support
   - Production

2. It is assumed that the engineering staff will work 48 hrs a week for 48 weeks a year, how many engineers are expected to accomplish the development over a period of 3 years?

   No of engineering man hours required: 20000

3. What's the percentage of Life Cycle Cost is typically committed and actually spent during the Concept Exploration Phase?
   - 45% Committed 15% Spent
   - 15% Committed and 45% Spent
   - 10% Committed and 15% Spent
   - 10% Committed and 10% Spent

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - 10% Committed and 15% Spent

4. RETEC Cost of an aircraft does not include the money spent towards:
   - Technology Research, Design, Engineering and Prototyping
   - Ground and Flight Testing
   - Evaluation of Operating Suitability and Certification

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - Maintenance Cost

5. Which of the following is the component of the Life Cycle Cost?
   - Design and Development
   - Production
   - Support Equipment and Initial Spares
   - Operation and Support
   - Disposal

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - Disposal

6. According to the GAPAIVN Cost Model, Manufacturing cost of the airplane depends upon:
   - Maximum Takeoff Weight
   - Empty Weight
   - Maximum Velocity
   - Production Quantity
   - Gross Takeoff Weight

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - Maximum Takeoff Weight
   - Empty Weight
   - Maximum Velocity
   - Production Quantity
   - Gross Takeoff Weight

7. Which of the following are the input parameters for Direct Operating Cost Calculation using AOA Method?
   - Number of Passengers
   - Maximum Takeoff Weight
   - Maximum Empty Weight
   - Production Quantity
   - Number of Engines
   - Fuel Price

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - Maximum Takeoff Weight
   - Maximum Empty Weight
   - Production Quantity

8. The price of engine spare is ________% of total engine price as per the AOA Method?
   - 85
   - 90
   - 95
   - 60

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - 70
   - 90
   - 95

9. Calculate the engineering cost (in Million USD) of the aircraft with the Empty Weight: W_e = 4946 kg, Maximum Velocity: V = 550 km/h, Production Quantity: Q = 10
   (Assume the engineering cost per hour as USD 130)

   No. the answer is incorrect
   Score: 0
   Accepted Answers:
   - USD 2263
   - USD 2930
   - USD 3770
   - USD 3950

10. What is the input parameter(s) for FALSE?
    - Maintenance Man Hours/Flight Hours
    - Technology Level Factor
    - Test Flight Hours
    - Weight Factor
    - Number of Engineers involved in manufacturing

    No. the answer is incorrect
    Score: 0
    Accepted Answers:
    - Test Flight Hours
    - Weight Factor
    - Number of Engineers involved in manufacturing