Assignment 3

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) Wallis is designing an all-moving canard SST aircraft by
   (A) deflection of elevons  (B) transfer of lift between port and starboard wing tanks
   (C) deflection of elevons and fuselage tanks  (D) transfer of lift between port and starboard wing tanks
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Transfer of lift between port and starboard wing tanks
   1 point

2) Quarter chord sweep of most aircraft is in the range of
   (A) 45° to 60° (B) 15° to 30° (C) 25° to 30° (D) 15° to 20°
   Your answer is incorrect.
   Score: 0
   Accepted Answer: 25° to 30°
   1 point

3) What is the main wing shape used in the Canadair SST aircraft?
   (A) Compound Delta  (B) Ogee Delta  (C) Double Delta  (D) Cancelled Delta
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Ogee Delta
   1 point

4) Which of the following features was NOT provided in A-10 Thunderbolt aircraft?
   (A) Internal Masking  (B) Cockpit Armor  (C) Stealth  (D) Armor Drum Protection
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Stealth
   1 point

5) Which of the following feature is NOT a key requirement for an Interceptor aircraft?
   (A) Low fuel consumption  (B) High Rate of Climb  (C) High T/W  (D) High Maneuverability
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Low fuel consumption
   1 point

6) Which of the following factors affect the fuselage sizing in airliners?
   (A) Wing sweep angle  (B) type of propeller  (C) Volume required for passengers and cargo
   (D) Cruise Drag
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Volume required for passengers and cargo
   Cruise Drag
   1 point

7) Most of the airliners use high by pass ratio turbofan engines because of
   (A) Low specific fuel consumption  (B) lower emissions  (C) lower noise levels  (D) high power during takeoff and landing
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Low specific fuel consumption
   1 point

8) What factor affects the stall speed and stalling characteristics?
   (A) Induced drag will increase  (B) Skin friction drag will increase
   (C) Aeroelastic vibrations  (D) Wing weight will increase
   Your answer is incorrect.
   Score: 0
   Accepted Answer: Induced drag will increase
   1 point

9) Which of the following statement(s) is/are FALSE about An-225 Mriya 1
   (A) It has MTOF of 550 tons  (B) It is powered with 4 Iljintsev engines with each engine producing 126 MN thrust
   (C) It is the largest aircraft based on the wing span
   (D) It was designed for transporting the subassemblies of the aircraft to the final assembly hangar
   Your answer is incorrect.
   Score: 0
   Accepted Answer: It was designed for transporting the subassemblies of the aircraft to the final assembly hangar
   1 point

10) How VISTOL aircraft has which of the following key features?
    (A) Small in dimensions  (B) Large in dimensions
    (C) Better corrosion resistance  (D) Strong landing gear
    Your answer is incorrect.
    Score: 0
    Accepted Answer: Small in dimensions
    1 point