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5161 In theory, if the airspeed of an airplane is doubled while in level flight, parasite drag will become C 0PCION R: Infinity a great. Second	I REGUNTAS I OFCIONESTOR TEMA	Pag.:	2
OPCION A: decreases because of increased induced drag. C OPCION B: increases because of increased parsite drag. C OPCION A: increases in such as the stall speed. C OPCION R: increases in accord and the stall speed. C OPCION R: increases in accord and the stall speed. C OPCION R: increase in accord and the stall speed. A At the airspeed represented by point A, in steady flight, the airplane will A OPCION A: inarcine in accord in an anotable of the stall speed. B OPCION A: inarcine in an airspeed represented by point A, in steady flight, the airplane will B OPCION A: have its innimum L-D ratio. OPCION A: mainterment. B OPCION A: an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum B OPCION A: an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum B OPCION A: A decrease in angle of attack will increase freesone below the wing, and decrease drag. OPCION A: A decrease in angle of attack will increase freesone below. H OPCION B: A: A decrease in angle of attack will increase freesone below. C Select the correct stattenent regarding stall speeds. C	OPCION A:twice as great.OPCION B:half as great.		С
OPCION A: increase as well as the stall speed. OPCION E: correlation of the stall speed will increase. A S165 (Ver figura 1) At the atrspeed represented by point A, in steady flight, the airplane will OPCION A: have its maximum L/D ratio. OPCION A: have its maximum coefficient of lift. (Ver figura referencial 1 en el Manual de Figuras) B S166 (Ver Figura 1) At an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. B OPCION A: an inspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. B OPCION A: an intraces in angle of attack will increase pressure below the wing, and decrease drag. B OPCION A: A decrease in angle of attack will increase pressure below the wing, and increase drag. C S170 (Ver Figura 2) C Select the correct statement regarding stall speeds. C OPCION A: A decrease in angle of attack will decrease pressure below the wing, and increase drag. C OPCION A: Power-off stalls occur at higher airspeeds with the gear and flaps down. C OPCION A: Power-off stalls occur at higher airspeeds with the gear and flaps down. C S1810	OPCION A:decreases because of lower parasite drag.OPCION B:increases because of increased induced drag.		В
At the airspeed represented by point A, in steady flight, the airplane will OPCION A: have its maximum L/D ratio. OPCION B: have its minimum L/D ratio. OPCION C: be developing its maximum coefficient of fift. (Ver figura referencial 1 en el Manual de Figuras) 5166 (Ver Figura 1) At an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. OPCION C: coefficient of lift. (Ver figura referencial 1 en el Manual de Figuras) 5167 Which statement is true relative to changing angle of attack? OPCION A: A decrease in angle of attack will increase ressure below the wing, and decrease drag. OPCION C: An increase in angle of attack will increase drag. OPCION A: A decrease in angle of attack will increase drag. OPCION A: A decrease in angle of attack will increase drag. OPCION A: A decrease in angle of attack will decrease drag. OPCION A: A decrease in angle of attack will increase drag. OPCION A: A decrease in angle of attack will increase drag. OPCION A: Power-off stalls occur at higher airspeeds with the gear up. OPCION B: In a 60° bank the airplane stalls at a lower airspeed in the gear up. OPCION B: In a 60° bank the airplane stalls at al lower airspeed in the gear up. OPCION A: Power-off stalls occur at higher airspeeds with the gear up. OPCION A: Power-off stalls occur at higher airspeeds with the gear up. OPCION B: In a 60° bank the airplane stalls at al lower airspeed in the airplane will stall OPCION A: 10 knots higher in a power-on 60° bank, than in a power-off, flaps down. OPCION C: 10 lower bigs in expanses. S180 (Ver Figura 2) S181 (Vicr figura 1 efferencial 2 en el Manual de Figuras) S181 (Vicr figura 1 efferencial 2 en el Manual de Figuras) S182 One of the main functions of flaps during level turns? B OPCION A: 10 knots higher in a power-on fot plank with an in a wings-level stall with flaps up. (Ver figura efferencial 2 en el Manual de Figuras) S181 (Which is true regarding the use of flaps during level turns? B OPCION A: The lowering of	OPCION A:increase as well as the stall speed.OPCION B:decrease and the stall speed will increase.		С
At an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. OPCION R: glide range: OPCION C: coefficient of lift. (Ver figura referencial 1 en el Manual de Figuras) 5167 Which statement is true relative to changing angle of attack? B OPCION A: A decrease in angle of attack will increase pressure below the wing, and decrease drag. OPCION C: An increase in angle of attack will decrease pressure below the wing, and increase drag. OPCION A: A decrease in angle of attack will decrease pressure below the wing, and increase drag. OPCION C: An increase in angle of attack will decrease pressure below the wing, and increase drag. OPCION A: Dower-off stalls occur at higher airspeeds with the gear and flaps down. OPCION C: Power-on stalls occur at higher airspeed with the gear up. OPCION C: Power-on stalls occur at higher airspeeds. OPCION C: Power-on stalls occur at higher airspeeds. (Ver figura 2) Select the correct statement regarding stall speeds. (Ver figura 2) Select the correct statement regarding stall speeds. OPCION R: 10 knots higher in a power-on 60° bank, with gear and flaps down, wings-level configuration. OPCION A: 10 knots higher in a power-on stall than in a wings-level stall with flaps up. (Ver figura ref	At the airspeed represented by point A, in steady flight, the airplane will OPCION A: have its maximum L/D ratio. OPCION B: have its minimum L/D ratio. OPCION C: be developing its maximum coefficient of lift.		Α
OPCION A: A decrease in angle of attack will increase pressure below the wing, and decrease drag. OPCION B: An increase in angle of attack will increase drag. OPCION C: An increase in angle of attack will decrease pressure below the wing, and increase drag. S179 (Ver Figura 2) C Select the correct statement regarding stall speeds. C OPCION B: In a 60° bank the airplane stalls at a lower airspeed with the gear up. OPCION C: OPCION C: Power-off stalls occur at ligher airspeeds in shallower banks. (Ver figura referencial 2 en el Manual de Figuras) S180 (Ver figura 2) A Select the correct statement regarding stall speeds. The airplane will stall A OPCION A: 10 knots higher in a power-on 60° bank with gear and flaps up than with gear and flaps down. OPCION B: 25 knots lower in a power-on 60° bank, than in a power-off, flaps up, 60° bank, than in a power-off, flaps down, wings-level configuration. OPCION C: 10 knots higher in a 45° bank, power-on stall than in a wings-level stall with flaps up. (Ver figura referencial 2 en el Manual de Figuras) B OPCION C: 10 knots higher in a 45° bank, power-on stall than in a wings-level stall with flaps up. (Ver figura referencial 2 en el Manual de Figuras) B OPCION A: </td <td>At an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. OPCION B: glide range. OPCION C: coefficient of lift.</td> <td></td> <td>В</td>	At an airspeed represented by point B, in steady flight, the pilot can expect to obtain the airplane's maximum OPCION A: endurance. OPCION B: glide range. OPCION C: coefficient of lift.		В
Select the correct statement regarding stall speeds. OPCION A: Power-off stalls occur at higher airspeeds with the gear and flaps down. OPCION B: In a 60° bank the airplane stalls at a lower airspeed with the gear up. OPCION C: Power-on stalls occur at lower airspeeds in shallower banks. (Ver figura referencial 2 en el Manual de Figuras) A Select the correct statement regarding stall speeds. The airplane will stall OPCION A: OPCION A: 10 knots higher in a power-on 60° bank with gear and flaps up than with gear and flaps down. OPCION B: 25 knots lower in a power-on stall than in a power-off, flaps down, wings-level configuration. OPCION C: 10 knots higher in a 45° bank, power-on stall than in a wings-level stall with flaps up. (Ver figura referencial 2 en el Manual de Figuras) B OPCION A: The lowering of flaps increases the stall speed. OPCION A: The lowering of flaps increases the stall speed. OPCION C: Raising flaps will require added forward pressure on the yoke or stick. 5182 One of the main functions of flaps during the approach and landing is to B OPCION A: decrease the angle of descent without increasing the airspeed. OPCION A: decrease the angle of descent without increasing the airspeed. OPCION A: decrea	OPCION A: A decrease in angle of attack will increase pressure below the wing, and decrease drag.OPCION B: An increase in angle of attack will increase drag.		В
Select the correct statement regarding stall speeds. The airplane will stall OPCION A: 10 knots higher in a power-on 60° bank with gear and flaps up than with gear and flaps down. OPCION B: 25 knots lower in a power-off, flaps up, 60° bank, than in a power-off, flaps down, wings-level configuration. OPCION C: 10 knots higher in a 45° bank, power-on stall than in a wings-level stall with flaps up. (Ver figura referencial 2 en el Manual de Figuras) B OPCION A: The lowering of flaps increases the stall speed. OPCION B: The aising of flaps increases the stall speed. OPCION C: Raising flaps will require added forward pressure on the yoke or stick. 5182 One of the main functions of flaps during the approach and landing is to B OPCION A: decrease the angle of descent without increasing the airspeed. B OPCION A: decrease the angle of descent without increasing the airspeed. B OPCION A: decrease the angle of descent without increasing the airspeed. B OPCION B: provide the same amount of lift at a slower airspeed. B OPCION C: decrease lift, thus enabling a steeper-than-normal approach to be made. B	Select the correct statement regarding stall speeds.OPCION A:Power-off stalls occur at higher airspeeds with the gear and flaps down.OPCION B:In a 60° bank the airplane stalls at a lower airspeed with the gear up.OPCION C:Power-on stalls occur at lower airspeeds in shallower banks.		С
OPCION A: The lowering of flaps increases the stall speed. OPCION B: The raising of flaps increases the stall speed. OPCION C: Raising flaps will require added forward pressure on the yoke or stick. 5182 One of the main functions of flaps during the approach and landing is to B OPCION A: decrease the angle of descent without increasing the airspeed. OPCION B: provide the same amount of lift at a slower airspeed. OPCION C: decrease lift, thus enabling a steeper-than-normal approach to be made.	 Select the correct statement regarding stall speeds. The airplane will stall OPCION A: 10 knots higher in a power-on 60° bank with gear and flaps up than with gear and flaps down. OPCION B: 25 knots lower in a power-off, flaps up, 60° bank, than in a power-off, flaps down, wings-level configuration. OPCION C: 10 knots higher in a 45° bank, power-on stall than in a wings-level stall with flaps up. 		A
5182 One of the main functions of flaps during the approach and landing is to B OPCION A: decrease the angle of descent without increasing the airspeed. B OPCION B: provide the same amount of lift at a slower airspeed. B OPCION C: decrease lift, thus enabling a steeper-than-normal approach to be made. B	OPCION A:The lowering of flaps increases the stall speed.OPCION B:The raising of flaps increases the stall speed.		В
5192 To increase the rate of turn and at the same time decrease the radius, a pilot should C	5182 One of the main functions of flaps during the approach and landing is toOPCION A: decrease the angle of descent without increasing the airspeed.OPCION B: provide the same amount of lift at a slower airspeed.		В
	5192 To increase the rate of turn and at the same time decrease the radius, a pilot should		С

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OPCION A: maintain the bank and decrease airspeed.		
OPCION B: increase the bank and increase airspeed. OPCION C: increase the bank and decrease airspeed.		
5193 Which is correct with respect to rate and radialtitude?	ius of turn for an airplane flown in a coordinated turn at a constant	А
OPCION A: For a specific angle of bank and airspeed,		
	le of bank must be increased as the airspeed is decreased. rate and larger the radius of turn regardless of the angle of bank.	
	pressure to maintain altitude during a turn? To compensate for the	А
OPCION A: loss of vertical component of lift. OPCION B: loss of the horizontal component of lift ar	nd the increase in centrifugal force.	
OPCION C: rudder deflection and slight opposite ailer	e	
	of attack must be increased to compensate for the decrease in the	В
OPCION A: forces opposing the resultant component of OPCION B: vertical component of lift.	of drag.	
OPCION C: horizontal component of lift.		
5196 Stall speed is affected by		А
OPCION A: weight, load factor, and power.		
OPCION B: load factor, angle of attack, and power. OPCION C: angle of attack, weight, and air density.		
5197 A rectangular wing, as compared to other wi	ng planforms, has a tendency to stall first at the	В
OPCION A: wingtip, with the stall progression toward		
OPCION B: wing root, with the stall progression towa OPCION C: center trailing edge, with the stall progres	rd the wing tip. sion outward toward the wing root and tip.	
5198 By changing the angle of attack of a wing, th		A
OPCION A: lift, airspeed, and drag.	e phot can control the amplane's	A
OPCION B: lift, airspeed, and CG.		
OPCION C: lift and airspeed, but not drag.		
5199 The angle of attack of a wing directly contro OPCION A: angle of incidence of the wing.	Is the	С
OPCION A: angle of incidence of the wing. OPCION B: amount of airflow above and below the w	ing.	
OPCION C: distribution of pressures acting on the wir	ıg.	
5200 In theory, if the angle of attack and other fac higher speed will be	tors remain constant and the airspeed is doubled, the lift produced at the	С
OPCION A: the same as at the lower speed.		
OPCION B: two times greater than at the lower speed.OPCION C: four times greater than at the lower speed		
5201 An aircraft wing is designed to produce lift r	esulting from a difference in the	С
OPCION A: negative air pressure below and vacuum a	-	
OPCION B: vacuum below the wing's surface and gree OPCION C: higher air pressure below the wing's surfa	ater air pressure above the wing's surface.	
5202 On a wing, the force of lift acts perpendicula		В
OPCION A: chord line.		
OPCION B: flightpath.		
OPCION C: longitudinal axis.	ing farmer enting on an eighter in star by state level (1, 1, 0)	*
5203 Which statement is true, regarding the oppos OPCION A: These forces are equal.	sing forces acting on an airplane in steady-state level flight?	А
OPCION B: Thrust is greater than drag and weight and	d lift are equal.	
OPCION C: Thrust is greater than drag and lift is greater	ter than weight.	

	1 ag 4
5204 The angle of attack at which a wing stalls remains constant regardless of OPCION A: weight, dynamic pressure, bank angle, or pitch attitude.	А
OPCION B: dynamic pressure, but varies with weight, bank angle, and pitch attitude.OPCION C: weight and pitch attitude, but varies with dynamic pressure and bank angle.	
5205 In small airplanes, normal recovery from spins may become difficult if the	В
OPCION A:CG is too far rearward and rotation is around the longitudinal axis.OPCION B:CG is too far rearward and rotation is around the CG.OPCION C:spin is entered before the stall is fully developed.	
5206 Recovery from a stall in any airplane becomes more difficult when its	А
OPCION A: center of gravity moves aft. OPCION B: center of gravity moves forward. OPCION C: elevator trim is adjusted nosedown.	
5207 If an airplane is loaded to the rear of its CG range, it will tend to be unstable about its	В
OPCION A: vertical axis. OPCION B: lateral axis. OPCION C: longitudinal axis.	
5209 An airplane leaving ground effect will	В
OPCION A: experience a reduction in ground friction and require a slight power reduction.OPCION B: experience an increase in induced drag and require more thrust.	
OPCION C: require a lower angle of attack to maintain the same lift coefficient.	
5210 If airspeed is increased during a level turn, what action would be necessary to maintain altitude? The angle of attack OPCION A: and angle of bank must be decreased.	С
OPCION B: must be increased or angle of bank decreased.	
OPCION C: must be decreased or angle of bank increased.	
5211 The stalling speed of an airplane is most affected by OPCION A: changes in air density.	С
OPCION B: variations in flight altitude.	
OPCION C: variations in airplane loading. 5212 An airplane will stall at the same	A
OPCION A: angle of attack regardless of the attitude with relation to the horizon.	А
OPCION B: airspeed regardless of the attitude with relation to the horizon.OPCION C: angle of attack and attitude with relation to the horizon.	
5213 Figure 3	В
If an airplane glides at an angle of attack of 10°, how much altitude will it lose in 1 mile?	D
OPCION A: 240 feet. OPCION B: 480 feet.	
OPCION C: 960 feet.	
(Ver figura referencial 3 en el Manual de Figuras) 5214 Figure 3	С
How much altitude will this airplane lose in 3 miles of gliding at an angle of attack of 8°?	C
OPCION A: 440 feet. OPCION B: 880 feet.	
OPCION C: 1,320 feet.	
(Ver figura referencial 3 en el Manual de Figuras) 5215 Figure 3	С
The L/D ratio at a 2° angle of attack is approximately the same as the L/D ratio for a	C
OPCION A: 9.75° angle of attack. OPCION B: 10.5° angle of attack.	
OPCION C: 16.5° angle of attack.	

	1 ag 5
(Ver figura referencial 3 en el Manual de Figuras)	
5216 If the same angle of attack is maintained in ground effect as when out of ground effect, lift will	А
OPCION A: increase, and induced drag will decrease.	
OPCION B: decrease, and parasite drag will increase.	
OPCION C: increase, and induced drag will increase.	
5217 What performance is characteristic of flight at maximum lift/drag ratio in a propeller-driven airplane? Maximun	В
OPCION A: gain in altitude over a given distance.	
OPCION B: range and maximum distance glide.	
OPCION C: coefficient of lift and minimum coefficient of drag.	
5218 Which is true regarding the forces acting on an aircraft in a steady-state descent? The sum of all	С
OPCION A: upward forces is less than the sum of all downward forces.	
OPCION B: rearward forces is greater than the sum of all forward forces.OPCION C: forward forces is equal to the sum of all rearward forces.	
5219 Which is true regarding the force of lift in steady, unaccelerated flight?	В
OPCION A: At lower speeds the angle of attack must be less to generate sufficient lift to maintain altitude.OPCION B: There is a corresponding indicated airspeed required for every angle of attack to generate sufficient lift to	
maintain altitude.	
OPCION C: An airfoil will always stall at the same indicated airspeed; therefore, an increase in weight will require an	
increase in speed to generate sufficient lift to maintain altitude.	
5220 During the transition from straight-and-level flight to a climb, the angle of attack is increased and lift	С
OPCION A: is momentarily decreased.	
OPCION B: remains the same.	
OPCION C: is momentarily increased.	
5221 Figure 4	С
What is the stall speed of an airplane under a load factor of 2 Gs if the unaccelerated stall speed is 60 knots?	
OPCION A: 66 knots. OPCION B: 74 knots.	
OPCION C: 84 knots.	
(Ver figura referencial 4 en el Manual de Figuras)	
5222 Figure 4	С
What increase in load factor would take place if the angle of bank were increased from 60° to 80°?	
OPCION A: 3 Gs.	
OPCION B: 3.5 Gs. OPCION C: 4 Gs.	
(Ver figura referencial 4 en el Manual de Figuras)	
5223 To generate the same amount of lift as altitude is increased, an airplane must be flown at	С
OPCION A: the same true airspeed regardless of angle of attack.	C
OPCION B: a lower true airspeed and a greater angle of attack.	
OPCION C: a higher true airspeed for any given angle of attack.	
5224 To produce the same lift while in ground effect as when out of ground effect, the airplane requires	Α
OPCION A: a lower angle of attack.	
OPCION B: the same angle of attack.	
OPCION C: a greater angle of attack.	
5225 As the angle of bank is increased, the vertical component of lift	А
OPCION A: decreases and the horizontal component of lift increases.	
OPCION B: increases and the horizontal component of lift decreases.	
OPCION C: decreases and the horizontal component of lift remains constant.	
5226 If the airplane attitude remains in a new position after the elevator control is pressed forward and released, the	А
airplane displays	

OPCION A:neutral longitudinal static stability.OPCION B:positive longitudinal static stability.OPCION C:neutral longitudinal dynamic stability.	
 5227 Longitudinal dynamic instability in an airplane can be identified by OPCION A: bank oscillations becoming progressively steeper. OPCION B: pitch oscillations becoming progressively steeper. OPCION C: Trilatitudinal roll oscillations becoming progressively steeper. 	В
 5228 Longitudinal stability involves the motion of the airplane controlled by its OPCION A: rudder. OPCION B: elevator. OPCION C: ailerons. 	В
 5229 What changes in airplane longitudinal control must be made to maintain altitude while the airspeed is being decreased? OPCION A: Increase the angle of attack to produce more lift than drag. OPCION B: Increase the angle of attack to compensate for the decreasing lift. OPCION C: decrease the angle of attack to compensate for the increasing drag. 	В
 5230 If the airplane attitude initially tends to return to its original position after the elevator control is pressed forward and released, the airplane displays OPCION A: positive dynamic stability. OPCION B: positive static stability. OPCION C: neutral dynamic stability. 	В
 5231 Figure 5 The horizontal dashed line from point C to point E represents the OPCION A: ultimate load factor. OPCION B: positive limit load factor. OPCION C: airspeed range for normal operations. (Ver figura referencial 5 en el Manual de Figuras) 	В
 5232 Figure 5 The vertical line from point E to point F is represented on the airspeed indicator by the OPCION A: upper limit of the yellow arc. OPCION B: upper limit of the green arc. OPCION C: blue radial line. (Ver figura referencial 5 en el Manual de Figuras) 	А
 5238 A propeller rotating clockwise as seen from the rear, creates a spiraling slipstream the spiralling slipstream along with torque effect, tends to rotate the airplane to the OPCION A: right around the vertical axis, and to the left around the longitudinal axis. OPCION B: left around the vertical axis, and to the right around the longitudinal axis. OPCION C: left around the vertical axis, and to the left around the longitudinal axis. 	В
 5505 Which maximum range factor decreases as weight decreases? OPCION A: Altitude. OPCION B: Airspeed. OPCION C: Angle of attack. 	В
 5750 Choose the correct statement regarding wake turbulence. OPCION A: Vortex generation begins with the initiation of the takeoff roll. OPCION B: The primary hazard is loss of control because of induced roll. OPCION C: The greatest vortex strength is produced when the generating airplane is heavy, clean, and fast. 	В
 5751 During a takeoff made behind a departing large jet airplane, the pilot can minimize the hazard of wingtip vortices by OPCION A: being airborne prior to reaching the jet's flightpath until able to turn clear of its wake. OPCION B: maintaining extra speed on takeoff and climbout. OPCION C: extending the takeoff roll and not rotating until well beyond the jet's rotation point. 	А

5752 Which procedure should you follow to avoid wake turbulence if a large jet crosses your course from left to right approximately 1 mile ahead and at your altitude?	А
OPCION A: Make sure you are slightly above the path of the jet.	
OPCION B: Slow your airspeed to Va and maintain altitude and course.	
OPCION C: Make sure you are slightly below the path of the jet and perpendicular to the course.	
5753 To avoid possible wake turbulence from a large jet aircraft that has just landed prior to your takeoff, at which point	А
on the runway should you plan to become airborne?	
OPCION A: Past the point where the jet touched down.	
OPCION B: At the point where the jet touched down, or just prior to this point.	
OPCION C: Approximately 500 feet prior to the point where the jet touched down.	
5754 When landing behind a large aircraft, which procedure should be followed for vortex avoidance?	А
OPCION A: Stay above its final approach flightpath all the way to touchdown.	
OPCION B: Stay below and to one side of its final approach flightpath.	
OPCION C: Stay well below its final approach flightpath and land at least 2000 feet behind.	