Homework 10

Study Questions

Commercial AVF 221

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_ Score\_\_\_\_\_

Kershner chapter 12

1. What are 2 reasons manifold pressure for 65% power is less at higher altitude?
2. To increase power on a constant speed prop equipped airplane the order of engine control is:
3. What is the order to decrease power?
4. Why is it important to remember to move the prop to high before landing?
5. What is the job of the governor?
6. Draw a governor showing an underspeed condition

Kershner chapter 13

1. What is a wobble pump?
2. What is the optimum ratio of fuel to air?
3. What is the difference in leaning procedure for constant speed vs fixed pitch?
4. List a couple of advantages injection systems have over carbureted systems
5. List 3 disadvantages of a fuel injection system

Kershner chapter 14

1. What is the normal psi of a hydraulic landing gear system?
2. Why does slowing the plane make the emergency landing gear extension easier?
3. Why is it bad practice to slow the aircraft to get the prop stopped when executing a gear up landing?

Kershner chapter 16

1. Why should you always use full carburetor heat?
2. Is carburetor ice more of a function of temperature or humidity?
3. What are 2 ways aircraft designers use to circumvent impact icing?
4. How does an unlocked primer cause a rough running engine?
5. What is the time difference for engine restart for carbureted vs injected engines after switching from an empty fuel tank to a full one?
6. What is the most common cause of spark plug fowling?
7. If oil pressure drops to 0, what is your next step?
8. What is the first requirement when an electrical fire occurs on climb out?
9. Is it recommended to restart the engine after following the engine fire checklist?
10. Why is it good practice to execute a traffic pattern to an emergency landing spot?
11. How many Gs are possible if impact speed is 80kts?

For 20 feet? \_\_\_\_\_

For 40 feet? \_\_\_\_\_