

Pre-Solo Written Exam

Instructions

Complete the following exam using the same sheet. This exam contains questions of FAA Parts 61, 91, AFI 34-117, Aircraft Systems, and Local Procedures. Do not assume information not specifically provided in the questions. Each numbered question is worth 2 points, if any part of an answer is wrong, the question is wrong! Passing score is 80%.

Student's Name _____ Instructor Name _____

Grade _____ Date _____

I have administered and reviewed this written exam as required by FAR 61.87 (b) and find the student's aeronautical knowledge satisfactory for solo flight.

IP _____ Cert. # _____ Date _____

THE FOLLOWING QUESTIONS ARE COVERED IN FAR PART 1

1. Give an example of the following terms. (FAR 1.1)

A. Category _____

B. Class _____

2. Define the term pilotage. (FAR 1.1)

A. _____

3. Define the following terms. (FAR 1.1)

A. Va _____

B. Vfe _____

C. Vne _____

D. Vr _____

E. Vs _____

F. Vso _____

G. Vx _____

THE FOLLOWING QUESTIONS ARE COVERED IN FAR PART 61

4. What three documents must a pilot have in their possession while exercising the privileges of a pilot certificate? (61.3 a / c)

A. _____ B. _____

C. _____

5. What are the limitations on student pilots while operating an aircraft in solo flight? (61.87n)

A.

B.

6. What general limitations are placed on a student pilot while acting as pilot in command? (61.89)

A.

B.

C.

D.

E.

F.

G.

H.

THE FOLLOWING QUESTIONS ARE COVERED IN FAR PART 91

7. Who is responsible for the operation of the aircraft? (FAR 91.3)

A.

8. Who is responsible for determining whether an aircraft is in condition for a safe flight? (91.7)

A.

9. What action is required if the PIC discovers an un-airworthy condition is discovered? (FAR 91.7)

A.

10. No person may act as a crewmember after consuming alcohol or while using any drug that affects the person's faculties in any way contrary to safety until what conditions are met? (91.17)

A.

B.

C.

11. A PIC shall before beginning a flight, become familiar all available information concerning that flight. This information must include, for a flight not in the vicinity of an airport. (91.103)

A. _____

B. _____

C. _____

D. _____

E. _____

F. _____

G. _____

12. Who has the right-of-way when two aircraft are on final approach to a landing? (FAR91.113)

A.

13. What are the minimum safe altitudes? (FAR 91.119)

Anywhere

Over congested areas

Other than congested areas

14. What are the dimensions of class D airspace, the direction of standard traffic pattern and communication requirements? (FAR 91.129 and reference to 91.126 and 91.127)

A.

B.

C.

15. What are the weather requirements to **enter** Class C airspace? (91.130) and (91.215)

A.

16. What are the weather requirements for operations in Class D airspace? (91.155)

A.

17. What are the fuel reserve requirements for a day VFR flight and a night VFR flight? (91.151)

A. Day _____

B. Night _____

18. What are the VFR cruising altitudes and at what altitudes do they apply? (91.159)

A.

19. What are the minimum equipment and instrument requirements for a day VFR flight? (91.205b)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

THE FOLLOWING QUESTIONS ARE COVERED IN THE AERONAUTICAL INFORMATION MANUAL (AIM)

20. Interpret the sign in figure 2-3-31 and 2-3-33 (AIM Ch. 2 sec.3 Para.9)

A.

B.

21. Describe Class C airspace: Dimensions, pilot requirements, equipment, communication and airspeed limit (AIM 3-2-4)

A.

B.

C.

D.

E.

22. Describe Class D airspace: Dimensions, pilot requirements, equipment, communication and airspeed limit? (AIM 3-2-5)

A.

B.

C.

D.

E.

23. Name the closed pattern legs? (AIM 4-3-2)

A. _____ B. _____ C. _____

D. _____ E. _____

24. At what point do you turn crosswind in a civilian airfield? (AIM 4-3-3 and figure 4-3-2)

A.

25. How can a pilot obtain radar assistance when in a difficult situation? (AIM 6-2-1)

A.

THE FOLLOWING QUESTIONS ARE COVERED IN AFMAN 34-232 (AERO CLUB SOP)

26. When is "student" considered a "no show" for a scheduled flight and what charges apply?

(Chapter1 Paragraph11)

A. _____

B. _____

27. What are the wind limitations for solo student pilot? (4.9)

A. _____ B. _____

C. _____

28. What is the restriction on flying with an open discrepancy? (6.2)

A.

29. What is the flight restriction for a solo student pilot with cumulonimbus cloud formations (thunderstorms) within 15nm of the academy airfield? (AFI 34-117, A2.4.2.7)

A.

30. All aero club flights must flight plan for a fuel reserve of _____ hours at cruise power. (AFI 4.17.12.1)

THE FOLLOWING QUESTIONS ARE COVERED IN THE AIRCRAFT PILOT OPERATING HANDBOOK USE THE POH FOR A CESSNA 172 P MODLE (6601K)

31. Describe the engine of the Cessna 172. (POH 1-3 / STC Paperwork in Metal Binder)

A. _____

32. What are the accept fuel grades that can be used in the Cessna 172? (POH 1-3)

A.

33. Where is the Reference Datum that is used for weight and Balance computations? (POH 6-4)

A.

34. How are the flight controls operated? (POH 7-8)

A.

35. What type of flaps does the Cessna 172 use; how are they operated? (POH 7-10)

A. _____

B. _____

36. How are the brakes actuated? (POH 7-10)

A.

37. How is fuel delivered to the engine? (POH 7-20)

A.

38. Describe the north departure when taking off on 16L? Include checkpoints and altitudes. (Inflight Guide)

A.
