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## **INSTRUMENT STUDY 4**

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Candidate Name \_\_\_\_\_ Date \_\_\_\_\_ Completion \_\_\_\_\_

### CLEARANCES & PROCEDURES

1. What is a cruise clearance and what advantages does it provide?
2. What is a block clearance and what advantages does it provide?
3. What is a composite clearance?
4. What is a VFR on Top Clearance?
5. What is a IFR to VFR on Top clearance?
6. What is a Contact Approach?
7. If arriving at a clearance limit, but still IMC, what pilot action should be taken?
8. What is a LAHSO clearance and what does the acronym stand for?
9. What is LAHSO ALD, & where can you obtain that information?

10. Can you refuse a LAHSO clearance?
11. How can a pilots determine if they can land in the ALD?
12. Can you go around in the event of a botched approach?
13. What is a Visual Approach? Who initiates it? What type of weather conditions must exist at the time it is issued. What must the pilot have in sight in order to accept a visual? How is that different from the issuance of a contact approach?
14. What is a SID or Departure Procedure?
15. What is a STAR or Arrival Procedure?
16. What should you do if you do not want to accept an AP or DP?
17. What airports can you navigate to using an AP plate?
18. What minimum information must the pilot have in order to accept an AP or DP?
19. What is a side step maneuver? When is the pilot expected to complete the sidestep?
20. What is a converging ILS?

## FEDERAL AVIATION REGULATIONS

1. What radio reports must be made to ATC when IFR?
2. When can an airplane descend below MDA or DA when IFR?
3. What items comprise the runway environment? (91.175)
4. What special regulation concerns approach lighting and descent below MDA, DA?
5. What aircraft equipment is required to operate IFR?
6. What inspections must be performed to operate IFR?
7. What are the four types of VOR checks ? How are they performed? Which VOR checks are most reliable? Least? Why?

8. What fuel requirements exist when IFR?
9. When is an alternate required to be listed in a IFR flight plan?
10. What type of airport can qualify as a listable alternate?
11. What weather minimums must be forecast at a listable alternate for it to be listed?
12. Must a pilot divert to the listed alternate in the event that arrival at the primary destination is impractical or impossible. Can you divert anywhere?
13. What procedures should be followed in the event of a lost communications situation...
  - a. With regard to altitude selected?
  - b. With regard to route selection?
  - c. With regard to clearance limit and beginning an approach?
14. Explain what is required to maintain IFR currency?

15. Define IMC

16. What are take off minimums? Who must abide by them?

#### PARTIAL PANEL

1. List the errors of the magnetic compass?

2. Compass turns

a. When turning through the West to a heading of 210, what heading should you initiate your roll out on?

b. When turning through the East to a heading of 340, what heading should you roll out on?

c. What heading should you roll out on when turning to a heading of East?

3. Are compass turns better for long turns or short turns? How about timed turns? Why?

#### DME ARCS

1. What is the purpose of a DME arc?

2. How far out should you lead your turn to join the arc? How many degrees is the initial turn?
3. How do you maintain your distance within the arc?
4. Is it easier to correct from outside to inside the arc or inside to outside? Why?
5. How do you determine your progress along the arc?
6. How soon before the arc's end radial should you lead the turn to exit the arc?