IFR ORAL QUESTIONS

1. Selection of route (Preferred Route & chart)
2. Plan an IFR flight and develop a fight log
3. Procurement and analysis of weather pertinent to this flight
4. ALTERNATE AIRPORT
   - When necessary ?
   - What minimums weather conditions qualify an airport as an alternate ?
   - What reference do some approach charts make as to alternate use ?
5. Fuel requirements for an instrument flight ?
6. Pilot's instrument currency requirements ?
7. Inspections required and checks required by pilot - and how often ?
   - ____VOR ____STATIC SYSTEM ____AIRPLANE ____TRANSPONDER
8. Explain the anti-icing and deicing systems for the aircraft to be used in the test:
   - Airframe; Propeller; Intake; Fuel System, Pitot static
9. Which instruments rely upon the vacuum system ?
10. Which instruments rely upon the electrical system ?
11. Which instruments are on the static system? Pitot system? Discuss ?
12. Discuss the magnetic compass errors.
13. Elements of an ATC clearance ? ("Carefully established procedures for safe, orderly and expeditious traffic flow")
14. Controller's responsibilities ? ("Controller must be aware of the performance capabilities of the various aircraft operating in the system in order to issue clearances and instructions with which the aircraft are capable of complying")
15. Pilot's responsibilities? ("The Instrument plot should understand the overall traffic problem and the standardized FR control procedures In order to avoid being unprepared by an unexpected request or change, in clearance.")
16. EN ROUTE CHART: Explain the meaning & possible use of :
   - ____MEA ____MRA ____Changeover Point ____Distances
   - ____Center Discrete Frequencies

- ____Expect further clearance time

17. Draw standard hold on the and a non standard hold.
18. Explain entries when entering hold from various directions.
19. When are you established in hold. ("When inbound leg is completed at the fix.")
20. Explain the elements of intercepting and trucking
    - ____ VOR/VORTAC radial ____DME ARC ____NDB bearing
21. Explain a no-gyro procedure?
22. Reports that should be made in a radar environment and in a non-radar environment
23. Explain the primary and supporting instruments for all tasks in Area IV
24. Explain the elements of the tasks in AREA VI (Approaches)
    - FAF -- Final Approach course -- Minimum safe altitude
    - Decision height or MDA -- TDZE
    - What factors would require a missed approach ?
    - What action should the pilot take if required approach component fails ?
    - Why identify frequencies ?
    - Why and when make a circling approach? Describe how?
    - Should an ILS approach be timed ?
25. DURING PREFLIGHT : Examiner should observe or question familiarity with operating characteristics and operating methods of
    - Flight instruments and navigation systems.
    - Question the reason for instrument cockpit check,
    - What should be checked
    - How to detect possible defects.
26. MULTI ENGINE: Explain reasons for procedure used if engine failure occurs during straight and level flight, and during turns.
27. MULTI ENGINE: Explain procedures used during an instrument approach in a multiengine aircraft with one engine inoperative.