

UNITED FLYING CLUB

NIGHT OPERATIONS REVIEW*

Pilot _____ Member# _____ Total Flight hrs _____

Reviewed by _____ Date _____
(instructor)

**Referenced for the following questions are found in the FARs and AIM.*

- 1) Night is defined as the time between:
 - a. one hour after sunset and one hour before sunrise
 - b. one half hour after sunset and one half hour before sunrise
 - c. end of evening civil twilight and the beginning of morning civil twilight
 - d. one half hour before sunset and one half hour after sunrise

- 2) In addition to having the required day VFR instrumentation, VFR flight at night requires all the following equipment EXCEPT:
 - a. approved position lights
 - b. an approved aviation red or aviation white anti-collision light system
 - c. an adequate source of electrical energy for all electrical and radio equipment
 - d. one spare set of fuses or three spare fuses of each kind required
 - e. an adequate vacuum source for all vacuum driven gyroscopic instruments

- 3) An electric landing light is only required when an aircraft is being operated for hire at night. T / F

- 4) No person may, during the period from sunset to sunrise, operate an aircraft unless it has lighted position lights and anti-collision lights. T / F

- 5) No person may begin a flight in an airplane under VFR at night unless there is enough fuel to fly to the first point of intended landing and, assuming normal cruise speed - fly after that for at least _____ minutes.

- 6) If recency of experience requirements for night flight are not met and official sunset is 1830, passengers may not be carried after what time:
 - a) 1730
 - b) 1830
 - c) 1900
 - d) 1930

- 7) For the purpose of carrying passengers at night, the required 3 landings must be made during the appropriate period within the preceding 90 days:
 - a. in the same category and class aircraft and to a full stop
 - b. in the same category and class aircraft and to a full stop only if the aircraft is a tailwheel type
 - c. in the same category of aircraft and to a full stop
 - d. in the same category of aircraft and to a full stop only if the aircraft is a tailwheel type

- 8) A beacon flashing white-white green indicates what type of airfield? _____

- 9) A landmark or navigational point is identified at night by what color obstruction lighting? _____

10) If weather conditions in Class D are below basic VFR minimums at night, you may obtain a special VFR clearance:

- a. if you hold at least a private pilot certificate
- b. if you hold an instrument rating
- c. if you are instrument rated, current, and the aircraft is equipped for IFR
- d. special VFR is not permitted at night

11) At an airport with Pilot Controlled Lighting, keying the microphone 7 times will place the airport lighting on maximum intensity for _____ minutes.

12) Airport beacons have a vertical light distribution to make them most effective from:

- a) 1 to 10 degrees above the horizon
- b) 20 to 45 degrees above the horizon
- c) 10 to 20 degrees above the horizon
- d) 5 to 90 degrees above the horizon

13) Night vision can be impaired as low as _____ feet due to Hypoxia.

14) List five symptoms of Hypoxia:

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

15) Carbon monoxide, an odorless tasteless gas, significantly reduces the blood's ability to carry oxygen with results similar to hypoxia. What is a common situation which may allow carbon monoxide into the cockpit?

16) Give four situations that will give the illusion of a false horizon at night:

- a. _____
- b. _____
- c. _____
- d. _____

17) Describe the night illusion "auto-kinesis": _____

18) At tower controlled airports, what frequency should be used to communicate with other aircraft operating at that airport when the tower is not in operation ?

19) Is an anti-collision light system required for night operations ? Y / N

20) For the purpose of carrying passengers at night, would landings made in a multi-engine aircraft, during the appropriate time period, count for night currency requirements in a single engine aircraft? Y / N