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Continuing Education Course #446
Airport Engineering
Part IV - Lighting & NAVAIDs

1. LED airport lights may be interchanged with incandescent lights...
 - a. When it is practical to do so
 - b. When it is economical to do so
 - c. Only if the FAA permits it do be done
 - d. Never
 - e. Only to satisfy pilot complaints
2. What type of lights are installed on visual runways at small airports?
 - a. MIRL
 - b. HIRL
 - c. LIRL
 - d. MITL
 - e. GIRL
3. What type of lights are installed on at airports where runway lights are installed?
 - a. MIRL
 - b. HIRL
 - c. LIRL
 - d. MITL
 - e. GIRL
4. True or false: taxiway edge lights are blue.
 - a. False
 - b. True
5. How many threshold lights should be installed on instrument runways?
 - a. 6
 - b. 8
 - c. 10
 - d. 4
 - e. 12
6. The spacing for runway edge lights is ...?
 - a. 250 feet
 - b. 300 feet
 - c. 200 feet
 - d. 100 feet
 - e. 50 feet

7. What is the spacing between threshold lights?
- a. 12 feet
 - b. 20 feet
 - c. 8 feet
 - d. 5 feet
 - e. 10 feet
8. Which color are the lights at the takeoff start for a runway with a displaced threshold?
- a. Green
 - b. Blue
 - c. Red
 - d. White
 - e. Red/White
9. For a 1200 foot section of taxiway, how far apart should the edge lights be (ctr-ctr)?
- a. 100 feet
 - b. 84 feet
 - c. 12 feet
 - d. 30.4 feet
 - e. 15.2 feet
10. On a runway, touchdown zone lights are primarily used for...?
- a. Landing
 - b. Takeoff
 - c. Instrument Flight Rules
 - d. Both landing and takeoff
 - e. Missed Approaches
11. Runway centerline lights are which colors?
- a. Red & White
 - b. Red & Green
 - c. Red & Blue
 - d. Blue & White
 - e. Red, White, and Blue
12. True or false: Longitudinal touchdown zone light bars are equally spaced between sets at 72 feet.
- a. True
 - b. False
13. Taxiway lighting is intended to aid airport operations during...?
- a. High visibility conditions
 - b. Low visibility conditions
 - c. Extreme thunderstorms
 - d. Political unrest
 - e. Severe hailstorms
14. Which colors are exit taxiway centerline lights?
- a. Green & Blue
 - b. Green & White
 - c. Yellow & Green

- d. White & Yellow
- e. Yellow & Blue

15. When a stop bar is "OFF", lead lights are...?

- a. Off
- b. Dimmed
- c. On
- d. Blinking
- e. Not used

16. A pilot approaching a stop bar that is "ON" will see a row of which color lights?

- a. Green
- b. Red
- c. White
- d. Yellow
- e. Blue

17. LAHSO stands for...?

- a. Land and Hold Steady Operation
- b. Land and Hold Short Operation
- c. Land and Help Stabilize Operation
- d. Laugh at Hovering Student Operator
- e. Listen and Help Save Oxygen

18. ATC equipment and NAVAIDs are typically owned and maintained by...?

- a. Local government
- b. OSHA
- c. FDA
- d. FFA
- e. FAA

19. On a PAPI, two white and two red lights indicate what?

- a. Too high
- b. Too low
- c. Fly down
- d. Fly up
- e. On glide slope

20. Which of the following is not related to VOR?

- a. RVR
- b. High Altitude
- c. Terminal
- d. Low Altitude
- e. VORTAC

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