

Florida Department of Transportation – Aviation Office

Airport Stormwater Management

2025 Florida Statewide Airport Stormwater Study Training – Virtual Training Quiz Questions

Day 1

1. Airports have specific grading criteria necessary for the safe operation of aircraft.
True / False
2. The FAA recommends what storm event be used with no runoff encroachment on taxiway and runway pavements.
 - a. 2.33 year
 - b. 5 year
 - c. 10 year
 - d. 25 year
3. Most wildlife strikes on aircraft happen within how many feet of the ground?
 - a. 100 feet
 - b. 300 feet
 - c. 500 feet
 - d. 1000 feet
4. Landing aircraft routinely dump fuel which is often observed as swirling mist or vapor trailing the aircraft.
True / False
5. Under the new rule, projects must
 - a. Incorporate wet detention ponds in the design.
 - b. Use presumptive criteria as the permitting basis.
 - c. Meet performance standards of the new rule.
 - d. None of the above
6. Event mean water quality data is usually log normal.
True / False
7. The EMC value reported for airside land uses for Total Nitrogen is less than that reported for a Natural Vegetative Community.
True / False
8. Nitrogen and phosphorus both recycle as gas released to the atmosphere.
True / False
9. When selecting a design year rainfall for simulation, the rainfall yearly total and the rainfall monthly distribution must both be considered.
True / False
10. On impervious areas, _____ the rainfall time step _____ the peak runoff.
 - a. decreasing, decreases
 - b. increasing, increases
 - c. decreasing, increases

- d. increasing, decreases
11. Which of the following rainfall runoff models uses model parameters with a physical basis?
- a. Phi
 - b. Horton
 - c. Green-Ampt
 - d. CN

Day 2

12. Surface water groundwater interactions can significantly influence stormwater runoff in Florida.
True / False
13. Where did the criteria for a 3-day recovery of a dry retention pond originate?
- a. Interevent rainfall timing in the rainy season
 - b. Average time for mosquito hatching
 - c. Arbitrarily selected for calculation purposes
 - d. It precludes alligators sunning themselves
14. Average annual load is calculated as ___ x ____.
- a. EMC, total discharge volume
 - b. EMC, peak discharge rate
 - c. EMC, time of concentration
 - d. Permanent pool volume, EMC
15. EPA SWMM features include
- a. Time-varying rainfall
 - b. Percolation of infiltrated water into groundwater layers
 - c. Flood plain mapping of natural channel systems
 - d. All of the above
16. The rational coefficient, C, varies with rainfall intensity and duration.
True / False
17. Applicants Handbook Volume I, effective June 28, 2024, includes inspection frequencies in Table 12-1 that cannot be altered by the permitting agency.
True / False
18. The new rule allows credit for nonstructural controls if records are kept.
True / False
19. Removing a pound of phosphorus from a wet pond requires structural controls with an average cost of
- a. \$257
 - b. \$1,656
 - c. \$3,260
 - d. \$32,600
20. For drainage and water management purposes, an airport airside can be treated the same as parking lots and roadways.
True / False

Name: _____

Email: _____

Florida PE License Number: _____

Signature: _____