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: _____