

**QUIZ NO: 507**

**TOPIC: HYDROLOGY**

**DATE: 19/10/2021**

**1. By which simple equation, hydrologic cycle may be expressed?**

- [A] Precipitation = Evaporation - runoff
- [B] Evaporation = Precipitation + runoff
- [C] Runoff = Evaporation + Evaporation
- [D] Precipitation = Evaporation + runoff

**Answer: D**

**2. A precipitation in the form of water droplets of size less than 0.5mm and intensity less than 1mm/h is known as:**

- [A] Rain
- [B] Sleet
- [C] Small hail
- [D] Drizzle

**Answer: D**

**3. The fall of moisture from the atmosphere to the earth surface in any form is called:**

- [A] Evaporation
- [B] Transpiration
- [C] Precipitation
- [D] None of these

**Answer: C**

**4. The standard recording gauge adopted in India is of:**

- [A] Natural siphon type
- [B] Weighing bucket type
- [C] Tipping bucket type
- [D] Telemetry type

**Answer: A**

**5. A Lysimeter is an instrument used to measure:**

- [A] Infiltration rates
- [B] Evaporation
- [C] Evapotranspiration
- [D] Transpiration

**Answer: C**

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6. The average Pan coefficient for the standard US Weather Bureau class A pan is:

- [A] 0.85
- [B] 0.70
- [C] 0.90
- [D] 0.20

**Answer: B**

7. The maximum rate at which a soil in any given condition is capable of absorbing water is termed as:

- [A] Infiltration rate
- [B] Infiltration capacity
- [C] Absorption capacity
- [D] Absorption rate

**Answer: B**

8. The Dicken's formula predicting maximum flood  $Q$  in a catchment of area  $A$  and coefficient  $C_d$  is  $Q=$

- [A]  $C_d A^{1/2}$
- [B]  $C_d A^{3/4}$
- [C]  $C_d A^{2/3}$
- [D]  $C_d A^{4/3}$

**Answer: B**

**9. The area from which rainfall flows into drainage line:**

- [A] Permanent area
- [B] Catchment area
- [C] Natural area
- [D] None of the above

**Answer: B**

**10. The time required by rainwater to reach the outlet of drainage basin is generally called:**

- [A] Time of concentration
- [B] Duration of the rainfall
- [C] Lag time
- [D] Recession time

**Answer: A**

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