

## QUIZ NO: 732

### TOPIC: HYDROLOGY

**DATE: 01/07/2023**

**1. A tropical cyclone in a northern hemisphere is a wind stream with:**

- [A] High pressure zone of anticlockwise rotation
- [B] High pressure zone of clockwise rotation
- [C] Low pressure zone of anticlockwise rotation
- [D] Low pressure zone of clockwise rotation

**Answer: C**

**2. Which of the following statements is true, in the case of 'fern leaf catchment area?'**

- [A] It gives greater runoff
- [B] Time of flow is smaller and same
- [C] Time of concentration is more
- [D] Discharge is distributed over a short period

**Answer: C**

**3. A geological formation which is essentially impermeable for flow of water, even though it may contain water in its pores, is called**

- [A] Aquifer
- [B] Aquifuge
- [C] Aquitard
- [D] Aquiclude

**Answer: D**

**4. An aquifer confined at the bottom and not at the top is called:**

- [A] Leaky aquifer
- [B] Unconfined aquifer
- [C] Confined aquifer
- [D] Perched aquifer

**Answer: B**

**5. A geological formation, which not only stores water but yields it in sufficient quantity, is known as:**

- [A] Aquifuge
- [B] Aquifer
- [C] Aquiclude
- [D] Aquitard

**Answer: B**

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**6. Runoff is usually represented in:**

- [A]  $\text{m}^3/\text{hr}$
- [B]  $\text{m}/\text{s}$
- [C]  $\text{cm}$
- [D]  $\text{m}^3$

**Answer: A**

**7. A plot of discharge versus time is called?**

- [A] Hydrograph
- [B] Hyetograph
- [C] Mass curve
- [D] Flow duration curve

**Answer: A**

**8. If a ground water body is separated from main ground water by a relatively impermeable stratum of small areal extent located above main ground water body, then what type of aquifer it is?**

- [A] Perched aquifer
- [B] Confined aquifer
- [C] Artesian aquifer
- [D] None of these

**Answer: A**

**9. 9.A geological formation which contains water and transmits water at a very slow rate is called:**

- [A] Aquifer
- [B] Aquifuge
- [C] Aquitard
- [D] Aquiclude

**Answer: C**

**10.A watershed got transformed from rural to urban over a period of time. The effect of urbanization on storm runoff hydrograph from the watershed is to...**

- [A] decrease the volume of runoff
- [B] increase the time to peak discharge
- [C] decrease the time base
- [D] decrease the peak discharge

**Answer: C**

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