

## QUIZ NO: 824

### TOPIC: HYDROLOGY

**DATE: 07/05/2024**

**1. The following is not a direct stream flow determination technique:**

- [A] Dilution method
- [B] Ultrasonic method
- [C] Area velocity method
- [D] Slope area method

**Answer: D**

**2. The concept of Synthetic hydrograph is applied to:**

- [A] Ungauged catchments
- [B] Small catchments
- [C] Large catchments
- [D] None of the above

**Answer: A**

**3. The use of rational formula for estimating floods is limited to catchments**

**of size less than:**

- [A] 5000 sq km
- [B] 500 sq km
- [C] 50 sq km
- [D] 5 sq km

**Answer: C**

**4. Calibration of current meter, for use in channel flow measurement is done in a.....?**

- [A] Wind tunnel
- [B] Water tunnel
- [C] Towing tank
- [D] Flume

**Answer: C**

**5. Discharge per unit draw down at a well is known as:**

- [A] Specific retention
- [B] Specific capacity
- [C] Specific yield
- [D] Specific storage

**Answer: B**

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**6. The theory of ground water movement around wells is based on:**

- [A] Newton's law
- [B] Stoke's law
- [C] Darcy's law
- [D] Horton's equation

**Answer: C**

**7. Dupuit's assumptions are valid for:**

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

**Answer: D**

**8. A plot between discharge and depth of water in the channel is called.....:**

- [A] Hydrograph
- [B] Hyetograph
- [C] Stage discharge curve
- [D] None of the above

**Answer: C**

**9. The line joining points of same time of concentration is called?**

- [A] Isotach
- [B] Isochrone
- [C] Isohume
- [D] Isohaline

**Answer: B**

**10. Which catchment area run off will be more?**

- [A] Fan shaped
- [B] Tree shaped
- [C] Fern shaped
- [D] Circular

**Answer: A**

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