

## QUIZ NO: 683

### TOPIC: HYDROLOGY

**DATE: 28/01/2023**

1. The radius measured from the centre of the well to the point where drawdown curve meets the original water table is known as .....

- [A] Radius of well
- [B] Draw down
- [C] Radius of influence
- [D] None of the above

**Answer: C**

2. For one dimensional flow without recharge in unconfined aquifer between two water bodies, the steady water table profile is

- [A] An ellipse
- [B] A parabola
- [C] A straight line
- [D] An arc of a circle

**Answer: B**

**3. Which of the following equation is used in hydrologic flood routing?**

- [A] Continuity equation
- [B] Momentum equation
- [C] Energy equation
- [D] Equation of motion

**Answer: A**

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

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

**Answer: C**

**5. A flood with a recurrence interval of 2.33 years is known as:**

- [A] Probable maximum flood
- [B] Standard project flood
- [C] Mean annual flood
- [D] None of the above

**Answer: C**

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**6. In which catchment area run off will be more?**

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

**Answer: B**

**7. Infiltration capacity depends upon:**

- [A] Rainfall intensity
- [B] Initial moisture condition of soil
- [C] Soil characteristics & ground slope
- [D] All the above

**Answer: D**

**8. The line joining points of same time of concentration is called:**

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

**Answer: B**

**9. In a storm hydrograph, generally:**

- [A] Climatic factors controls the recession time
- [B] The rising limb is determined essentially by catchment characteristics
- [C] The recession limb is independent of catchment characteristics
- [D] The climatic factors control the rising limb

**Answer: D**

**10. The shape of the recession limb of a hydrograph depends on**

- [A] Basin as well as storm characteristics
- [B] Storm characteristics only
- [C] Basin characteristics only
- [D] Base flow only

**Answer: C**

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