

QUIZ NO: 424

TOPIC : WATER RESOURCE ENGG

DATE: 03/04/2021

1. The basic assumptions of unit hydrograph theory are?

- [A] Linear response and time variance
- [B] Linear response and time invariance
- [C] Non- Linear response and time invariance
- [D] Non- Linear response and time variance

Answer : B

2. A 4-hr unit hydrograph of a catchment is triangular in shape with base of 90 hours. The area of the catchment is 720 km². The peak discharge of unit hydrograph (in m³/sec) is?

- [A] 24
- [B] 36
- [C] 44
- [D] 72

Answer : C

3. Synthetic hydrograph was proposed by?

[A] Snyder

[B] Sherman

[C] Kirpitch

[D] Inglis

Answer : A

4. Hydrologic cycle is the cyclic movement of water from?

[A] land – atmosphere – sea - land

[B] sea – atmosphere – land - sea

[C] atmosphere – sea – land - atmosphere

[D] none of the above

Answer : B

5. With the increase in salinity of salt water, the rate of evaporation?

- [A] increases
- [B] decreases
- [C] remains the same
- [D] none of the above

Answer : B

6. The science which deals with origin, properties, distribution and circulation of the water in the earth is called?

- [A] Hydrometry
- [B] Hydrography
- [C] Hydrology
- [D] Geography

Answer : C

7. The streams in which seepage of water takes place from the stream into the ground is?

- [A] Effluent rivers
- [B] Influent rivers
- [C] Ephemeral rivers
- [D] None of the above

Answer : B

8. The chemical that is found to be most suitable as water evaporation inhibitor is?

- [A] Ethyl alcohol
- [B] Methyl alcohol
- [C] Cetyl Alcohol
- [D] Butyl Alcohol

Answer : C

9. The time interval between the centroid of rainfall and the maximum discharge in the stream is called?

- [A] Basin Lag
- [B] Duration of rainfall
- [C] Time base
- [D] Time to peak

Answer : A

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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