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Hydrology MCQ Test

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Q1. Which of the following is the most suitable chemical which can be applied to the water surface for reducing evaporation?

- A. Ethyl alcohol
- B. Methyl alcohol
- **C. Cetyl alcohol**
- D. Butyl alcohol

Q2. Phytometer method is generally used for the measurement of

- A. Evaporation
- B. Interception
- **C. Transpiration**
- D. None of the above

Q3. Which canal outlets maintains a constant discharge?

- **A. Rigid module**
- B. Flexible outlet
- C. Non-modular outlet
- D. None of the above

Q4. Which of the following spillways is least suitable for an earthen dam?

- A. Chute spillway

- **B. Ogee spillway**
- C. Shaft spillway
- D. Side channel spillway

Q5. Hydrograph is a graphical representation of

- A. Rain fall
- B. Surface run off
- C. Ground water flow
- **D. Discharge flowing in the river**

Q6. A unit hydro graph has one unit of

- A. Discharge
- **B. Rainfall excess**
- C. Rainfall duration
- D. None of the above

Q7. The theory of infiltration capacity was given by

- A. W.W. Horner
- **B. Robert E. Horton**
- C. Merrill Bernard
- D. None of the above

Q8. Rain fall is generally recorded at in India.

- A. 4 P.M.
- B. 8 P.M.
- **C. 8 A.M.**
- D. None of the above

Q9. Rain simulators are used for the determination of -

- A. Run off
- B. Precipitation
- C. Evaporation
- **D. Infiltration capacity**

Q10. Hydrology is the science which deals with

- A. Surface Water
- B. Underground water
- C. River water
- **D. Both A & B**

Q11. Which of the followings are used to store water during peak periods?

- A. Sews
- B. Canals
- C. Storage drums
- **D. Storage Reservoirs**

Q12. Day-sec meter is the unit of runoff.

- **A. True**
- B. False

Q13. Rate of rainfall is expressed in

- A. Meters
- **B. Centimeters**
- C. Millimeters
- D. None of the above

Q14. Which of the following method is very accurate of rain gauging?

- A. Recording type
- **B. Thiesson method**
- C. Iso-hyetol method
- D. Arithmetic mean method

Q15. The maximum rate of flow through the river is calculated by -

- A. Force of flow
- **B. Head of flow**

- C. Pressure of flow
- **D. Energy curves of flow**

Q16. Unit hydrograph was explained by Sherman in

- A. 1928
- **B. 1932**
- C. 1925
- D. 1945

Q17. What is the full form of DWF?

- A. Deep water flow
- B. Dam water flood
- **C. Dry weather flow**
- D. Drawing web format

Q18. Which of the following type of penstock is used in cold climates?

- A. Covered penstock
- **B. Buried penstock**
- C. Open penstock
- D. Exposed penstock

Q19. Low head hydro plant is also known as -

- A. Run-off river hydro-plant
- B. Base load hydro plant
- **C. Canal power plant**
- D. None of the above

Q20. Which of the following plants are used with steam and IC engines?

- A. Mini hydel plants
- B. Run-off river plants
- **C. Pumped storage plants**
- D. None of the above

Q21. Sharp crested weirs are generally used for

- A. Small flows
- **B. Large flows**
- C. Rivers carrying floating debris
- D. Streams carrying high sediment loads

Q22. A runoff river plant is a

- **A. Low head scheme**
- B. High head scheme
- C. Medium head scheme
- D. None of above

Q23. Infiltration capacity of soil depends upon the

- A. Shape and size of soil particles
- B. Arrangement of soil particles
- C. Number of voids present in the soil
- **D. All of the Above**

Q24. In India the recording type rain gauge generally used, is

- A. Tipping type
- B. Weighing type
- **C. Float recording type**
- D. None of above

Q25. The major resisting force in a gravity dam is

- A. Wave pressure
- B. Water pressure
- C. Uplift pressure
- **D. Self-weight of dam**

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