

1. Which of the following methods is NOT commonly used for stream flow measurement?

- a) Float method
- b) Weir method
- c) Evapotranspiration method
- d) Current meter method

Answer: c) Evapotranspiration method

Explanation: The evapotranspiration method is primarily used to estimate the loss of water from vegetation and soil, not for direct stream flow measurement.

2. What is the primary purpose of a rating curve in hydrology?

- a) To estimate stream discharge based on stream stage
- b) To calculate evaporation rates
- c) To measure groundwater levels
- d) To predict rainfall intensity

Answer: a) To estimate stream discharge based on stream stage

Explanation: A rating curve relates the stage (height of the water surface) of a stream to its discharge (flow rate), allowing for estimation of discharge based on stage measurements.

3. How does a stream gauge network contribute to hydrological monitoring?

- a) By measuring atmospheric pressure
- b) By monitoring soil moisture levels
- c) By providing real-time data on stream stage and discharge
- d) By predicting landslide occurrences

Answer: c) By providing real-time data on stream stage and discharge

Explanation: Stream gauge networks consist of multiple gauges strategically placed along water bodies, providing continuous data on stream stage and discharge, which is crucial for hydrological monitoring and flood forecasting.

4. Which hydrograph represents the relationship between stream stage and discharge over time?

- a) Stage hydrograph
- b) Discharge hydrograph
- c) Evaporation hydrograph
- d) Transpiration hydrograph

Answer: b) Discharge hydrograph

Explanation: A discharge hydrograph displays the variation in stream discharge over time, often in response to rainfall events or snowmelt.

5. How can evaporation from water surfaces be minimized?

- a) Increasing surface area
- b) Adding salt to the water
- c) Covering the surface with a film
- d) Increasing wind speed above the water surface

Answer: c) Covering the surface with a film

Explanation: Covering the water surface with a film, such as a layer of oil or plastic, reduces direct exposure to air and can significantly reduce evaporation rates.

6. Which factor does NOT affect the accuracy of stream flow measurement?

- a) Channel geometry

- b) Temperature
- c) Vegetation density
- d) Sediment load

Answer: c) Vegetation density

Explanation: While vegetation density may affect local hydrological processes, it typically does not directly influence the accuracy of stream flow measurement.

7. Which method is commonly used to estimate evapotranspiration rates from agricultural fields?
- a) Pan evaporation method
 - b) Snow pillow method
 - c) Soil moisture probe method
 - d) Groundwater piezometer method

Answer: a) Pan evaporation method

Explanation: The pan evaporation method involves measuring the rate at which water evaporates from a pan placed on the ground surface, providing an estimate of potential evapotranspiration rates for the surrounding area.

8. What does the term “stage-discharge relation” refer to in hydrology?
- a) The relationship between rainfall intensity and runoff
 - b) The relationship between stream stage and discharge
 - c) The relationship between groundwater levels and precipitation
 - d) The relationship between channel slope and sediment transport

Answer: b) The relationship between stream stage and discharge

Explanation: Stage-discharge relation describes how the stage (water level) of a stream or river corresponds to its discharge (flow rate) under various conditions.

9. How does the float method measure stream flow?

- a) By measuring the velocity of water using a current meter
- b) By timing the passage of a floating object along a known distance
- c) By using a weir or flume to measure the depth of water flow
- d) By analyzing the isotopic composition of water samples

Answer: b) By timing the passage of a floating object along a known distance

Explanation: The float method involves releasing a floating object into the stream and timing how long it takes to travel a known distance, from which flow velocity and discharge can be calculated.

10. Which factor is NOT typically considered when calculating evapotranspiration rates?

- a) Temperature
- b) Humidity
- c) Wind speed
- d) Sediment concentration

Answer: d) Sediment concentration

Explanation: Sediment concentration is not a direct factor influencing evapotranspiration rates, which are primarily affected by temperature, humidity, and wind speed.

Related posts:

1. Stones, Brick, Mortar and Concrete MCQs
2. Timber ,Glass , Steel and Aluminium MCQS

3. Flooring , Roofing ,Plumbing and Sanitary Material MCQS
4. Paints, Enamels and Varnishes MCQs
5. Miscellaneous ConstructionMaterials MCQs
6. Surveying & Levelling MCQS
7. Theodolite Traversing MCQs
8. Tacheometry MCQS
9. Curves MCQS
10. Hydrographic Survey MCQs
11. Drawing of Building Elements MCQS
12. Building Planning MCQS
13. Building Services MCQs
14. Architectural Principles MCQs
15. Town Planning & Perspective Drawing MCQs
16. Simple Stress and Strains MCQs
17. Bending and Shearing Stresses MCQs
18. Beam Deflection Methods MCQs
19. Columns and Struts MCQs
20. Torsion of Shafts MCQs
21. Review of Fluid Properties MCQs
22. Kinematics of Flow MCQs
23. Dynamics of Flow MCQs
24. Laminar Flow MCQs
25. Fluid Mechanics MCQs
26. Highway Engineering MCQs
27. Bituminous & Cement Concrete Payments MCQS
28. Transportation Engineering MCQs
29. Airport Planning and Geometrical Elements MCQs

30. Airport, Obstructions, Lightning & Traffic control MCQs
31. Preliminary and detailed investigation methods MCQs
32. Construction equipments MCQs
33. Contracts MCQs
34. Specifications & Public Works Accounts MCQs
35. Site Organization & Systems Approach to Planning MCQs
36. Construction Estimation MCQs
37. Rate Analysis MCQs
38. Detailed Estimates MCQs
39. Cost of Works MCQS
40. Valuation MCQS
41. Marine Construction MCQs
42. Harbour Planning MCQs
43. Natural Phenomena MCQS
44. Marine Structures MCQs
45. Docks and Locks MCQS
46. Urban Planning MCQs
47. Urban Planning MCQs: Sustainability, Finance, and Emerging Concepts
48. Urban Planning MCQs
49. Traffic transportation systems MCQs
50. Development plans MCQS
51. Remote Sensing MCQs
52. Remote Sensing Platforms and Sensors MCQS
53. Geographic Information System MCQS
54. Data Models mCQs
55. Integrated Applications of Remote sensing and GIS MCQs
56. Renewable Energy MCQs

- 57. Renewable Energy Systems Overview MCQ
- 58. Renewable Energy MCQs
- 59. Alternative Energy Sources MCQs
- 60. Electric Energy Conservation MCQs
- 61. Entrepreneurship MCQs
- 62. Motivation MCQS
- 63. Small Business Setup MCQs
- 64. Finance and Accounting MCQs
- 65. Entrepreneurial Sickness and Small Business Growth MCQs
- 66. Design features and construction of Foundations MCQs
- 67. Formwork and Temporary structures MCQs
- 68. Masonry and walls MCQS
- 69. Floor and Roof Construction MCQs
- 70. Earthquake-Resistant Building MCQs
- 71. Virtual work and Energy Principles MCQS
- 72. Indeterminate Structures-I MCQS
- 73. Indeterminate Structures – II MCQs
- 74. V Arches and Suspension Cables MCQS
- 75. Rolling loads and Influence Lines MCQS
- 76. Railway Track Construction MCQs
- 77. Railway Track Design and Signaling MCQs
- 78. Bridge Construction Essentials MCQs
- 79. Bridge Construction MCQs
- 80. Tunnels MCQS
- 81. Geology Earth's Processes and Phenomena MCQs
- 82. Mineralogy and crystallography MCQs
- 83. Petrology MCQs

84. Structural geology MCQs
85. Geology, Remote Sensing, and GIS MCQs
86. Waste water Treatment Operations MCQs
87. Biological Treatment of waste-water MCQS
88. Advanced Waste-water treatment MCQS
89. Introduction of Air pollution MCQS
90. Air pollution chemistry MCQs
91. Undamped Single Degree of Freedom System MCQS
92. Damped Single Degree of Freedom System MCQ
93. Response to harmonic and periodic vibrations MCQS
94. Response to Arbitrary, Step, and Pulse Excitation MCQS
95. Multi Degree of Freedom System MCQS
96. Structural Engineering MCQs
97. Building Services MCQs
98. Lift & Escalator MCQS
99. Fire-Fighting MCQs
100. Acoustics and sound insulation and HVAC system MCQS
101. Miscellaneous Services MCQS
102. Basic Principles of Structural Design MCQs
103. Design of Beams MCQs
104. Design of Slabs MCQS
105. Columns & Footings MCQs
106. Staircases MCQs
107. Water Resources MCQs
108. Water Supply Systems MCQs
109. Water Treatment methods MCQs
110. Sewerage Systems MCQS

- 111. Wastewater Analysis & Disposal MCQs
- 112. Irrigation water requirement and Soil-Water-Crop relationship MCQS
- 113. Ground Water and Well irrigation MCQs
- 114. Hydrology MCQs
- 115. Canals and Structures MCQs
- 116. Floods MCQS
- 117. Prefabrication in Construction MCQs
- 118. Prefabricated Construction MCQs
- 119. Design Principles MCQs
- 120. Structural Joint MCQs
- 121. Design of abnormal load MCQS
- 122. Advance Pavement Design MCQs
- 123. Flexible Pavements MCQS
- 124. Rigid Pavements MCQS
- 125. Rigid pavement design MCQs
- 126. Evaluation and Strengthening of Existing Pavements MCQS
- 127. Cost Effective & ECO-Friendly Structures MCQs
- 128. Cost effective construction techniques and equipments MCQs
- 129. Cost effective sanitation MCQS
- 130. Low Cost Road Construction MCQs
- 131. Cost analysis and comparison MCQ
- 132. Turbulent flow MCQS
- 133. Uniform flow in open channels MCQs
- 134. Non uniform flow in open channels MCQs
- 135. Forces on immersed bodies MCQs
- 136. Fluid Machines MCQs
- 137. Intellectual Property Rights MCQs

- 138. Copyright MCQs
- 139. Patents MCQs
- 140. Trade Marks, Designs & GI MCQs
- 141. Contemporary Issues & Enforcement of IPR MCQs
- 142. Concept of EIA MCQs
- 143. Methods of Impact Identification MCQs
- 144. Impact analysis MCQs
- 145. Preparation of written documentation MCQs
- 146. Public Participation in Environmental Decision making MCQs
- 147. Linear Models MCQs
- 148. Transportation Models And Network Models MCQs
- 149. Inventory Models MCQs
- 150. Queueing Models MCQS
- 151. Decision Models MCQs
- 152. Basis of Structural Design and Connection Design MCQS
- 153. Design of Compression and Tension Members MCQs
- 154. Design of Flexural Members MCQs
- 155. Design of Columns and Column Bases MCQs
- 156. Design of Industrial Buildings MCQS
- 157. Hydrological Cycle mCQs
- 158. Groundwater and Well Dynamics MCQs
- 159. Hydrology MCQs
- 160. Hydrology MCQs
- 161. Selection of foundation and Sub-soil exploration/investigation MCQs
- 162. Shallow Foundation MCQs
- 163. Pile foundations MCqs
- 164. Foundations on problematic soil & Introduction to Geosynthetics MCQs

- 165. Retaining Walls and Earth Pressure MCQs
- 166. Types of Bridge Super Structures MCQs
- 167. Design of R.C. Bridge MCQs
- 168. Design of Steel Bridges MCQs
- 169. Pier, Abutment and Wing Walls MCQs
- 170. Foundations and Bearings MCQs
- 171. Engineering Seismology MCQS
- 172. Response Spectrum MCQs
- 173. Aseismic Structural Modelling MCQS
- 174. Design of structure for earthquake resistance MCQS
- 175. Seismic control of structures MCQs
- 176. Introduction to Artificial Intelligence MCQs
- 177. Various types of production systems and search techniques MCQs
- 178. Knowledge Representation and Probabilistic Reasoning MCQS
- 179. Game playing techniques MCQs
- 180. Introduction to learning ,ANN MCQs
- 181. Concrete Structure MCQs
- 182. Damage Assessment MCQs
- 183. Influence on Serviceability and Durability MCQs
- 184. Maintenance and Retrofitting Techniques MCQs
- 185. Materials for Repair and Retrofitting MCQs
- 186. Paradigm Shift in Water Management MCQS
- 187. Sustainable Water Resources Management MCQs
- 188. Integrated Water Resources Management (IWRM) Approach MCQs
- 189. Surface and Subsurface Water Systems MCQS
- 190. Conventional and Non-conventional Techniques for Water Security MCQs
- 191. Supercharging & Turbo charging MCQs

- 192. MICROPROCESSOR ARCHITECTURE MCQs
- 193. Introduction Automobile Fuels MCQs
- 194. Human factor engineering MCQs
- 195. Element Types and Characteristics MCQs
- 196. Air conditioning MCQS
- 197. Friction MCQs: Concepts and Analysis
- 198. Design of Gauges and Inspection Features MCQs
- 199. BIG DATA TECHNOLOGIES MCQs
- 200. Marketing MCqs