

1. Which of the following is NOT a type of bridge foundation?

- a) Piles
- b) Wells
- c) Rafts
- d) Arches

Answer: d) Arches

Explanation: Arches are not a type of bridge foundation. They are structural elements used in bridge design but are not foundational support structures like piles, wells, or rafts.

2. What is the primary function of coffer-dams in bridge construction?

- a) To support the weight of the bridge
- b) To divert water flow
- c) To create a dry work environment below water level
- d) To enhance aesthetic appeal

Answer: c) To create a dry work environment below water level

Explanation: Cofferdams are temporary structures built in water to create a dry area for construction activities, allowing workers to work below water level.

3. Which type of foundation involves driving vertical structural members into the ground?

- a) Rafts
- b) Piles
- c) Arches
- d) Cantilevers

Answer: b) Piles

Explanation: Pile foundations involve driving vertical structural elements (piles) into the ground to provide support for the bridge structure.

4. Sheet piles are commonly used in the construction of:

- a) Bridge girders
- b) Cofferdams
- c) Road pavements
- d) Bridge abutments

Answer: b) Cofferdams

Explanation: Sheet piles are often used in the construction of cofferdams to create temporary barriers for water exclusion during construction activities.

5. What is the purpose of equipment and plant in bridge construction?

- a) To design the bridge structure
- b) To strengthen existing bridges
- c) To facilitate construction activities
- d) To conduct bridge inspections

Answer: c) To facilitate construction activities

Explanation: Equipment and plant in bridge construction refer to machinery and tools used to carry out various construction tasks efficiently.

6. Which material is commonly used for underwater construction of bridges?

- a) Steel
- b) Concrete
- c) Wood
- d) Aluminum

Answer: b) Concrete

Explanation: Concrete is frequently used for underwater construction due to its ability to set and harden underwater, making it suitable for various underwater bridge construction applications.

7. Strengthening of bridges is primarily carried out to:

- a) Increase aesthetic appeal
- b) Reduce maintenance costs
- c) Extend the bridge's lifespan
- d) Enhance traffic flow

Answer: c) Extend the bridge's lifespan

Explanation: Strengthening of bridges aims to prolong the service life of the structure by reinforcing its components and addressing potential weaknesses.

8. Bridge failure can be caused by:

- a) Insufficient maintenance
- b) Overloading
- c) Natural disasters
- d) All of the above

Answer: d) All of the above

Explanation: Bridge failure can result from various factors, including insufficient maintenance, overloading, and natural disasters, among others.

9. Which construction method involves sinking vertical wells into the ground?

- a) Cantilever construction
- b) Well sinking
- c) Arch construction
- d) Slab construction

Answer: b) Well sinking

Explanation: Well sinking is a construction method that involves sinking vertical wells into the ground to serve as foundation supports for the bridge structure.

10. The choice of bridge materials is influenced by factors such as:

- a) Cost
- b) Environmental conditions
- c) Design requirements
- d) All of the above

Answer: d) All of the above

Explanation: The choice of bridge materials considers factors such as cost, environmental conditions, design requirements, and many others to ensure the suitability and longevity of the bridge structure.

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. Tunnels MCQS

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



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

- 134. Forces on immersed bodies MCQs
- 135. Fluid Machines MCQs
- 136. Intellectual Property Rights MCQs
- 137. Copyright MCQs
- 138. Patents MCQs
- 139. Trade Marks, Designs & GI MCQs
- 140. Contemporary Issues & Enforcement of IPR MCQs
- 141. Concept of EIA MCQs
- 142. Methods of Impact Identification MCQs
- 143. Impact analysis MCQs
- 144. Preparation of written documentation MCQs
- 145. Public Participation in Environmental Decision making MCQs
- 146. Linear Models MCQs
- 147. Transportation Models And Network Models MCQs
- 148. Inventory Models MCQs
- 149. Queueing Models MCQS
- 150. Decision Models MCQs
- 151. Basis of Structural Design and Connection Design MCQS
- 152. Design of Compression and Tension Members MCQs
- 153. Design of Flexural Members MCQs
- 154. Design of Columns and Column Bases MCQs
- 155. Design of Industrial Buildings MCQS
- 156. Hydrological Cycle mCQs
- 157. Hydrological Measurement 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. Unix/Linux MCQs
- 192. Biodiversity and its conservation MCQs
- 193. Frequency domain representation of signal mcqs
- 194. State Space & Control Systems MCQs
- 195. The z-Transformmcqs
- 196. Propagation of radio waves mcqs
- 197. Satellite Systems and Orbital Mechanics MCQs
- 198. Embedded System Architecture mcqs
- 199. Rectifiers and Thyristors MCQs
- 200. CMOS Processing Technology MCQs