

Technical Question for L&T

1. Which is stronger solid steel rod or hollow steel pipe?
2. What is the tallest man made structure in the world?
3. What is braced excavation all about?
4. What is the meaning of soil reinforcement?
5. What is aggregate?
6. What year was the keystone power plant in Indiana County constructed?
7. What is the force exerted by the Tacoma narrows bridge?
8. What are the uses of alloys in daily life and how are alloys made?
9. What are the main reasons of building collapse?
10. State the applications of modulus of elasticity.
11. How are the freeway bridges built?
12. What is the basic difference in absorption, adsorption, and sorption?
13. Difference between routine maintenance and major maintenance for school facilities:
14. What is soil analysis?
15. State the building codes.
16. What are the steps involved in the concreting process, explain?
17. Describe briefly the various methods of concrete curing.
18. What do you understand by “preset” during the installation process of bridge bearings?
19. Why are steel plates inserted inside bearings in elastomeric bearings?
20. What reinforcements are used in the process of prestressing?

21. In the design of bridge arguments what considerations should be made to select the orientation of the wing walls?
22. In case of concrete box girder bridges how is the number of cells determined?
23. Under what circumstances should pot bearings be used instead of elastomeric bearings?
24. Why should pumping be not used in case of concreting works?
25. Why should curing not be done by ponding and polythene sheets?
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35. Why should curing not be done by ponding and polythene sheets?
36. What are the different type of slump test indications?
37. Why is propping required for long structures once the formwork is removed?
38. Explain the mechanism of cavitations in pipes and drains?
39. For what purpose bedding is used under storm water drains, explain?
40. Why are pull-out tests performed for soil nails?

41. Describe briefly the advantages and disadvantages of using plastic and timber fenders?
42. Explain why concrete barriers have curved surface profiles?
43. Why is the use of granular sub-base in concrete carriageways not preferred, explain?
44. Why are separation membranes used between concrete pavement slab and sub-base?
45. In the roof of a pumping station explain briefly the components of a waterproofing system.
46. During reclamation how the occurrences of mud waves can be rectified?
47. In reclamation works what are the importance of geotextiles and sand?
48. In block work seawalls what is the purpose of slip joints?
49. For a washout valve why are two gate valves required in normal practice?
50. What are the different approaches in designing the floors of the service reservoirs?