

EN8491 WATER SUPPLY ENGINEERING

Important 13 Mark Questions

Part-B

1. Explain about the types of water demand
2. Explain the types of demand and also write the factors affecting demand.
3. Illustrate about intake structures.
4. Write in detail about the methods of jointing in pipes.
5. Describe the types of pipe materials.
6. Explain about the procedure for laying of pipe.
7. Explain about the sources of water.

8. The census records of a small town are as follows

Year	1930	1940	1950	1960
population	9000	13000	17500	23000

Calculate the probable population after one, two and three decades by using

- (i) Arithmetical increase method
 - (ii) Geometrical increase method
 - (iii) Incremental increase method.
9. Explain the need and methods for Disinfection of water.
 10. Write in detail about the coagulation process.
 11. Write in detail about the unit operations and unit processes of water treatment.
 12. With the help of the diagram, explain the process of filter.
 13. Explain in detail about iron and manganese removal process.
 14. Explain in detail about water softening methods.
 15. Explain the various methods of desalination process.
 16. Explain about (i) membrane systems (ii) defluorination process (iii) MBR process
 17. Elaborate the appurtenances in water distribution system.
 18. Illustrate about the house service connection.
 19. Illustrate about the fixtures and fittings in water distribution systems.
 20. Explain in detail about the leak detection methods.
 21. Elaborate about the service reservoirs.

SSLC, HSE, DIPLOMA, B.E/B.TECH, M.E/M.TECH, MBA, MCA

Notes

Syllabus

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22. Illustrate about the water distribution methods.
23. Discuss with neat sketches the various types of Layout of distribution system.
24. Explain in detail about the systems of plumbing.