

Module Test-5 (Matrix Method of

Module Test-5 ([Save And Exit \(https://Engage.Techgig.Com/Edit-Challenge/B01TYWNLUy91R0VKNEZxTkUwRGRtdz09\)](https://Engage.Techgig.Com/Edit-Challenge/B01TYWNLUy91R0VKNEZxTkUwRGRtdz09))

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Questions List

10 of 10 Added

Multiple Choice (matrix method)

5 of 5 Added

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1. **In the direct stiffness matrix method, the degrees of freedom vector $\{D_d\}$ is given by _____ .**

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2. According to the principal of contragradience, if one transformation is known, from global displacements $\{u\}$ to local displacements $\{\Delta\}$, then the force transformation from local $\{P\}$ to global $\{F\}$ coordinates will be equal to the transpose of the displacement transformation, provided both force and displacement vectors are conjugate vectors.

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Tags : matrix method

3. The Number of Degrees of Freedom for a 2-dimensional pin-jointed frame is____.

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4. In the direct stiffness matrix method, the member force $\{F_{ij}\}$ in truss is given by
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5. In the direct stiffness matrix method, element stiffness matrix $[K]$ for beam element with 4 degrees of freedom is given by _____ .

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Multiple Choice (direct stiffness method)

5 of 5 Added

MCQ (WATER SUPPLY AND

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Questions List

30 of 30 Added

Multiple Choice (engineering)

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1. **Which water treatment process is done after filtration of water**

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2. The Total hardness of soft water as CaCO_3 equivalent is _____

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3. Which of the following is wrong regarding disinfection

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4. The permanent hardness in water is due to the presence of _____

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5. ~~Save & Exit (https://engage.techgig.com/edit-challenge/NWpJTVB0WkV3RU5wYkhFNFpiTWJJQT09)~~
Boiling of water is a _____ method of disinfection

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6. The temporary hardness in water is due to the presence of _____

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Tags : engineering

7. Sunlight is a _____ method of disinfection.

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8. The permanent hardness is also known as _____

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9. Which of the following is not used for removing the permanent hardness

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10. Which minor method of disinfection is effective in complete sterilization of water

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12. Chlorine which gets consumed in the oxidation of impurities before disinfection is _____

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Tags : engineering

13. The detention period of a lime soda treatment plant is _____

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Tags : engineering

14. The chlorine, which serves as a disinfectant is _____

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Tags : engineering

15. The minimum reaction time allowed in the recarbonation basin is _____

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Tags : engineering

16. Bleaching powder contains _____ of available chlorine

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Tags : engineering

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18. The process of chlorination with hypochlorites is called _____

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Tags : engineering

19. Which filter is normally used in the lime soda treatment plant

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Tags : engineering

20. In which form of chlorination, chlorine applies to raw water supply as it enters the distribution system

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Tags : engineering

21. In which process of water softening, ion exchange phenomenon takes place

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22. _____ is the application of chlorine before filtration

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24. _____ is the application of chlorine at two or more points in the purification process.

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25. Natural zeolite is mainly processed from _____

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Tags : engineering

26. _____ is the application of chlorine beyond the stage of the break point

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Tags : engineering

27. The color of the natural zeolite is _____

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Tags : engineering

28. The process of removal of excess chlorine from water is _____

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Tags : engineering

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29. The thickness of the layers of filter sand and zeolite softer is _____

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Tags : engineering

30. Which of the following is a disadvantage of the zeolite process

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