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portion. More PE problems will be added over time, but what I have should help to get you started preparing. I highly encourage you to pause the video at the beginning and solve the problem yourself and then resume Page 12/50

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engineering, also known as geotechnics, is the branch of civil engineering concerned with the engineering behavior of earth materials.It uses the principles and methods of soil Page 38/50

mechanics and rock mechanics for the solution of engineering problems and the design of engineering works. It also relies on knowledge of geology, hydrology, geophysics, and other related Page 39/50

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primary concern in geotechnical engineering around 1980. Thus, geotechnical engineers have been dealing with environmental issues on a formal basis for at least a quarter of a Page 41/50

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field situations whereby geotechnical engineering principles are applied to solve real-life problems.

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engineering geology and geotechnical engineering, the integration of the governing system of partial differential equations is possible only by means of approximate numerical Page 48/50

methods. As mentioned above, among the various numerical techniques adopted to solve geomechanical problems, two methods are commonly used in practice for geomaterials characterized by Page 49/50

nonlinear and irreversible behavior.

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