NOME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. (3,0) Explique os índices qualitativos de alteração físico-química utilizados para rochas cristalinas e sedimentares (alteração e coerência). Comente sobre as relações com resistência mecânica e características hidráulicas dos materiais.
2. (3,0) Defina os principais tipos de solos sob o ponto de vista genético.
3. (4,0) A figura abaixo apresenta uma seção geológico-geotécnica obtida a partir de levantamento topográfico e de sondagens mistas. Defina as características básicas de cada um dos horizontes geológico-geotécnicos identificados nesta seção (Aterro, AL, CO, SRM, SRJ e MR – Veja a legenda). Abordar, no mínimo, três das seguintes informações: aspectos gerais, textura, resistência à penetração, processos geológicos atuantes, métodos de escavação, método de perfuração e comportamento esperado dos solos.



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