Assignment-12

The following assignment has passed.

Due on 2020-04-22, 23:59 IST.

1. Electrical conduction in most of the saturated geomaterials is a result of _______.
   - Movement of ions
   - Presence of hydroxyl ions
   - Reductive mobility
   - All of the above
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Movement of ions

2. Presence of _______ in soils reduces the flow of AC through them, drastically.
   - Mica
   - Compressed water
   - Organic matter
   - All the above
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Organic matter

3. Magnetic characterization of geomaterials will be more comprehensive due to its ability to capture their _______.
   - Dielectric response
   - Presence of multi-phase
   - None of these
   - Both a and b
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Both a and b

4. Which of the following techniques is used for in-situ soil moisture measurement?
   - Thermo-gravimetry
   - Golton test
   - Time domain reflectometry
   - II moisture balance
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Golton test

5. MP can't be used for estimating the volume of _______ pores.
   - Interconnected
   - Dead-end
   - Closed
   - Pore-large
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Closed

6. The main reason for utilization of mercury for MP studies is _______.
   - Higher specific gravity
   - Non-wetting nature
   - Liquid metal
   - All of the above
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Liquid metal

7. Which of the following materials will consist of mesopores?
   - Zeolites
   - Impingers
   - Silica fumes
   - Cement
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     Silica fumes

8. The contact angle for a non-wetting fluid is always _______.
   - 180°
   - Equal to 180°
   - 90°
   - Can't be said
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     90°

9. Which of the following (parameters) is/are required to determine the pore-size?
   - Surface tension
   - Contact angle
   - Applied pressure
   - All of the above
   - The answer is incorrect.
   - Score: 0
   - Accepted answers:
     All of the above