

Question for Near surface geophysics (Practical)/4th Year/ 1st Semester

Q1/ Draw the types of field curves for two layer cases.

Q2/ What are the types of field resistivity curves for three layer cases?

Q3/ What is the Difference between Q type and Descending field resistivity curves?

Q4/ How can you determine the quantitative interpretation manually?

Q5/ Define the master curves.

Q6/ Write the steps to determine the resistivities of two layers' case.

Q7/ What is the difference between AB/2 and AB/3?

Q8/ How can you recognize the field measurement arrays?

Q9/ Curve matching method using auxiliary set for which case?

Q10/ Write down the steps for quantitative interpretation for three layers' case.

Q11/ Define the Geo-electrical section.

Q12/ What are the geo-electrical parameters?

Q13/ Why the last layer does not have the thickness?

Q14/ What is the difference between depth and thickness?

Q15/ What is the difference between apparent and true resistivities?

Q16/ When the true and apparent resistivities are equal?

Q17/ What is the effect of liquid in resistivity survey data?

Q18/ How can you recognize the cavity through quantitative interpretation?

Q19/ What is the name of the resistivity software that using for resistivity data?

Q20/ What are the name of electrodes in resistivity?

Q21/ What is the difference between manual and software interpretations?

Q22/ What is the conductivity? and its unit?

Q23/ What is the relationship between resistivity and conductivity?

Q24/ Why in resistivity method the measured data is plotting on log-log paper?

Q25/ How can you get the more depth by resistivity method?