**GEOCAP Training for Trainers**

**Magnetotelluric (MT) Field School**

**- POST TEST -**

Name of Participant:

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1. Geothermal System:
2. What is a geothermal system?
3. What are the geothermal system components?
4. Explain the typical characteristics of geothermal systems in Indonesia
5. What should be considered in applying geophysical methods in such challenging characteristics?

1. Basic MT Method:
2. Why MT is powerful for detecting subsurface conditions associated with geothermal system?
3. How do you explain about the source of magnetic field variation and electric field variation utilized for MT method
4. What is the correlation between magnetic and electric fields and apparent resistivity as well as phase? What is the apparent resistivity?
5. How do you define the depth of a subsurface object from MT data?
6. MT Data Acquisition:
7. Make a sketch of MT data acquisition. What the parameters are measured?
8. What do you consider during data acquisition to get the best MT data?
9. What are TE and TM modes? Please draw the TE and TM curve in 1D and 2D condition!
10. MT Data Processing & Modeling:
11. Describe the MT data processing steps from time series to rho-phase!
12. What do you know about static shift on MT Data? And what caused it?
13. In what circumstance that 1D modeling can be applied properly? The same questions for 2D and 3D modeling, respectively.

Answer:

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Answer:

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