TBL 7: Student Exam Questions for 2016

DUE: Wednesday, November 30, 2016

Overview

The goal of this TBL is two-fold. First it provides a focused opportunity for students to review the course material. Second, it requires you to think critically about the important elements of the course and how they might be effectively tested in a final examination. This is accomplished by individuals generating questions (and answers) for each of the major subject areas covered in class. These will be handed in as an individual component of a TBL. In the Team TBL, you will discuss your questions and select one question (and answer) for each category. You will also provide an assessment for each question regarding why you think it is effective. Your final mark for each question (using the TBL grading system of 1-4pts) will depend upon your assessment of the question and your ability to convince us about your views. Some of these questions, perhaps slightly altered, will appear on the final examination. The team questions will be distributed for studying.

Instructions

In each of the categories below, provide one question (and answer) about some topic that you feel is essential to understanding the concepts or application of material. The question can be multiple choice in which case you will provide a correct answer and at least two incorrect answers. The question can also be a short answer, in which case only the question and a correct answer is needed. Questions that concern the relevance of course material to a problem connected with geological engineering are particularly welcomed.

Note: To get maximum benefit from this assignment, it is important that you work individually. This forces you to make a personal connection with the material.

For the Team TBL your team will assess the five questions (one from each team member) in each unit and select the question you feel has the greatest merit. The question/answer may be modified because of discussions. In presenting your selection explain why you think it is an effective question.

Physical Properties

- Question

- Answer

Magnetics

- Question

- Answer

Seismic Refraction/Reflection/MASW

- Question

- Answer

GPR

- Question

- Answer

Electromagnetics

- Question

- Answer

DC resistivity

- Question

- Answer

Induced Polarization

- Question

- Answer

Engineering Application

- Question

- Answer