



UNIVERSITY OF MINES AND TECHNOLOGY, TARKWA

SECOND SEMESTER EXAMINATIONS, APRIL 2019

COURSE NO: GL 224

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COURSE NAME: DIRECTIONAL DRILLING

CLASS: GENERAL DRILLING II

TIME: 3

Index Number: _____

Section 1: Answer Six (6) questions from this section (10 marks each)

1. Explain what wedging is about and discuss some of its uses and applications
(10 marks)
2. What are the basic components of a horizontal directional drilling system
(10 marks)
3. Explain what is meant by sidetracking and discuss its advantages to the driller and the geologist **(10 marks)**
4. There are certain advantages in drilling highly deviated wells and horizontal wells in petroleum and offshore drilling applications, these may include **(10 marks)**
5. The applications of directional drilling can be grouped into various categories, what are these categories **(10 marks)**
6. Mention some of the directional drilling tools and how they work **(10 marks)**
7. Define raise boring and discuss its applications and uses **(10 marks)**
8. Distinguish between Casing and Hall Rowe wedging techniques **(10 marks)**

F. Majeed / Dr. Asante-Annor