

Commodity Futures Markets Practice Exam

Instructions

The Exam is worth 20% There are three (3) questions with multiple parts.. Answer the questions in the spaces provided on the question sheets. If you run out of room for an answer, continue on the back of the page. Show working for all answers.

Questions

1. Consider the following situation involving options on an underlying commodity, the strike price is \$10, maturity 6 months and current spot price \$5. The risk free interest rate is 4%, then
 - (a) Is it cheaper to purchase a put option or a call option? (4 points)
 - (b) In addition the spot price has a volatility of 1 and the convenience yield is 0.1 . What is the value of European call option on the underlying asset? (4 points)

Answer:

2. What are the Greeks? Give details in your answer.

(5 points)

Answer:

3. What is the difference between contango and backwardation? Explain using diagrams.

(7 points)

Answer:

NORMAL CUMULATIVE DISTRIBUTION FUNCTION

[illegible]