**DFIN301 Security Analysis and Portfolio Management**

**Assignment Set – 1**

1. Global Energy Corp. provides the following expected returns and probabilities for five states of the economy:

* State P: Probability = 0.15, Return = 5%
* State Q: Probability = 0.25, Return = 15%
* State R: Probability = 0.3, Return = 10%
* State S: Probability = 0.2, Return = 8%
* State T: Probability = 0.1, Return = 20%

Calculate the average expected return and risk.

2a. Consider a bond with a face value of €500, a 9% annual coupon rate, and 8 years to maturity. If the annual interest rate is 8%, calculate the bond's current value.

b) Discuss the concept of Moving Average Convergence Divergence (MACD)

3a. Assuming a risk-free rate of 6% and an expected market risk premium of 9%, what is the expected return on a stock with a beta of 1.0?

b. Discuss the principles and implications of the Efficient Market Hypothesis.

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**Assignment Set – 2**

4a. Analyze the role of Global Depository Receipts (GDRs) as a global investment avenue.

b) Nancy invested 60% of her portfolio in Stock X, which has a return of 15%, and the remaining 40% in Stock Y, which has a return of 10%. Calculate the expected return of Nancy’s portfolio.

5a. Describe the meaning and benefits of mutual funds.

b. Discuss the role of arbitrage in the Arbitrage Pricing Theory (APT).

6a) Distinguish between fundamental analysis and technical analysis.

b) What are the common mistakes made in investment management?

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