For a	a two-period binomial model, you are given:
(i)	Each period is one year.
(ii)	The current price for a nondividend-paying stock is 20.
(iii)	u = 1.2840, where u is one plus the rate of capital gain on the stock per period if the stock price goes up.
(iv)	d = 0.8607, where d is one plus the rate of capital loss on the stock per period if the stock price goes down.
(v)	The continuously compounded risk-free interest rate is 5%.
Calc	rulate the price of an American call option on the stock with a strike price of 22.
(A)	0
(B)	1
(C)	2
	(i) (ii) (iii) (iv) (v) Calc (A) (B)

(A)

(B)

(C)

(D)

(E)

0.23

0.25

0.27

0.29

0.31

(D)

(E)

(i)

5.

3

4

You are given that:

Consider a 9-month dollar-denominated American put option on British pounds.

(iv) The US dollar continuously compounded risk-free interest rate is 8%.

The British pound continuously compounded risk-free interest rate is 9%.

The current exchange rate is 1.43 US dollars per pound. The strike price of the put is 1.56 US dollars per pound.

Using a three-period binomial model, calculate the price of the put.

(iii) The volatility of the exchange rate is $\sigma = 0.3$.