



Approved Prep  
Provider



CFA Institute

## List of High-Yield Questions for Level II

We have identified the most important practice problems from the curriculum that you must do.  
Ideally you should do all practice problems, but if you are time constrained you should at least do the questions on this list.  
As part of your final revision review these questions again to reinforce key concepts.

**Note:** In the table below PP refers to the Practice Problem which you will find at the end of each reading in the curriculum.  
In some cases curriculum examples are referred to and in some cases the IFT Q-bank is referred to.

[For more Information visit www.ift.world](http://www.ift.world)

### Topic

### Quantative Methods

IFT strongly recommends that you do all the practice problems in the curriculum, but if you are severely time constrained do at least the following.

Reading	Question #	Concept Tested
Fintech	PP1	Fintech
	PP2	Big data
	PP3	Machine learning
	PP4	Text analytics
	PP5	Robo- advisory services
	PP6	Risk analysis
	PP7	Algorithmic trading
	PP8	DLT
	PP9	DLT
Correlation and Regression	<b>PP5 - PP10</b>	
	PP5	Coefficient of determination = R-squared
	PP6	Effect of deleting observations on R-Squared and SEE
	PP7	Correlation coefficient = Multiple R
	PP8	F - Stat formula
	PP9	Predicting independent variable using regression equation
	PP10	Interpreting p-values
	<b>PP11 - PP16</b>	
	PP11	Testing the significance of the correlation coefficient
	PP12	Time series vs cross sectional data
	PP13	Predicting independent variable using regression equation
	PP14	Interpreting R-squared
	PP15	Interpreting SEE
	PP16	Interpreting t-stats
	<b>PP17 - PP26</b>	
	PP17	Scatter plots
	PP18	Calculating sample covariance
	PP19	Calculating sample correlation
	PP20	Interpreting regression results
	PP21	Dependent vs independent variable
	PP22	Degrees of freedom
	PP23	Calculating confidence intervals
	PP24	Interpreting t-stats
	PP25	Predicting independent variable using regression equation
	PP26	Calculating F-stat
	<b>PP17 - PP22</b>	
	PP17	Predicting independent variable using regression equation
	PP18	Confidence interval for the regression coefficient
	PP19	Testing the significance of the correlation coefficient
	PP20	Interpreting multiple R-squared
	PP21	Problems in regression analysis - Heteroskedasticity
	PP22	Model misspecification issues - omitted variable
	<b>PP29 - PP36</b>	
	PP29	Calculating F-statistic
	PP30	Qualitative independent variables - interpreting coefficients
	PP31	Problems in regression analysis - multicollinearity
	PP32	Qualitative independent variables - setting up the model

Multiple Regression and Machine Learning	PP33	Problems in regression analysis - Heteroskedasticity
	PP34	Effects of positive serial correlation
	PP35	Durbin–Watson statistic
Multiple Regression and Machine Learning	PP36	Qualitative dependent variables - when to use probit and logit models
	<b>PP37 - PP45</b>	
	PP37	Testing the significance of the correlation coefficient
	PP38	Interpreting p-values
	PP39	Interpreting p-values
	PP40	Predicting independent variable using regression equation
	PP41	R-squared and adjusted R-squared
	PP42	Interpreting F-stat
	PP43	Interpreting F-stat
	PP44	Assumptions of multiple regression
	PP45	Adjusted R-squared
	<b>Example 17</b>	Major types of machine learning
	1	Classification problem vs regression problem
	2	Penalized regression
	3	CART
	4	Neural networks
	5	Clustering
	6	Dimension reduction
Time-Series Analysis	<b>PP20 - PP26</b>	
	PP20	Forecasting using a linear trend model
	PP21	Forecasting using a log linear trend model
	PP22	Interpreting the Durbin–Watson statistic
	PP23	Covariance stationary time series
	PP24	Forecasting using the chain rule
	PP25	Interpreting autocorrelations in an AR model
	PP26	Mean-reverting level
	<b>PP27 - PP35</b>	
	PP27	Properties of random walk & covariance stationary time series
	PP28	Covariance stationary time series
	PP29	Unit root
	PP30	Dickey–Fuller test
	PP31	Interpreting autocorrelations in an AR model
	PP32	Forecasting using a first differenced model
	PP33	ARCH
	PP34	Working with two time series
	PP35	Selecting an appropriate time series model
Simulations	<b>Online assessment - Jason Yang Case Scenario</b>	
	Q1	To compare scenario analysis with simulations
	Q2	To define prob distribution for the variables
	Q3	How to treat correlation across variables?
	Q4	To define the probability distribution for the simulation variables
	Q5	To explain the results of a simulation
	Q6	What are the issues in simulation?



Approved Prep  
Provider



CFA Institute

**Topic Economics**

IFT strongly recommends that you do all the practice problems in the curriculum, but if you are severely time constrained do at least the following.

Reading	Question #	Concept Tested
Currency Exchange Rates: Determination and Forecasting	<b>PP6 - PP12</b> PP6 PP7 PP8 PP9 PP10 PP11 PP12	Uncovered interest rate parity Flow supply/demand channel Portfolio balance approach Mundell-Fleming model Portfolio- balance approach Capital control and central bank intervention Warning signs of a currency crisis
	<b>PP13 - PP20</b> PP13 PP14 PP15 PP16 PP17 PP18 PP19 PP20	Bid-offer spread Factors affecting bid-offer spread Triangular arbitrage profit Forward contract - mark to market Covered interest rate parity interpretation Calculating forward points using covered interest rate parity International parity conditions International parity conditions
Economic Growth and the Investment Decision	<b>PP7 - PP15</b> PP7 PP8 PP9 PP10 PP11 PP12 PP13 PP14 PP15	Factors favoring and limiting economic growth Capital deepening investment and technological progress Sustainable growth rate of the economy Potential GDP Capital deepening investment and technological progress Demographic factors Natural resources Demographics, immigration, and labor force participation Convergence hypotheses
Economics of Regulation	<b>PP7 - PP13</b> PP7 PP8 PP9 PP10 PP11 PP12 PP13	Classification of regulators SRO 'Unintended' implementation cost Regulatory tools Regulatory competition Regulation of commerce Regulatory tools

[www.ift.world](http://www.ift.world)



Approved Prep  
Provider



CFA Institute

## Topic Alternative Investments

IFT strongly recommends that you do all the practice problems in the curriculum, but if you are severely time constrained do at least the following.

Reading	Question #	Concept Tested
Private Real Estate Investments	<b>PP1 - PP12</b>	
	PP1	Interpreting NOI
	PP2	Real estate valuation - misc items
	PP3	Calculating growth rate
	PP4	Discounted cash flow method
	PP5	Direct capitalization method
	PP6	Sales comparison approach
	PP7	Due diligence
	PP8	All cash purchase v/s used of debt
	PP9	Calculating maximum loan amount
	PP10	Benefits of private equity real estate investments
	PP11	Sources of risk for real estate investments
	PP12	Real estate investment: Basic forms
Publicly Traded Real Estate Securities	<b>PP1 - PP6</b>	
	PP1	REITs v/s REOCs
	PP2	Net asset value approach
	PP3	Relative valuation using property subsector average P/FFO multiple
	PP4	Discounted cash flow valuation using a two- step dividend model
	PP5	Relative valuation using property subsector average P/AFFO multiple
	PP6	Principal risk factors for REITs
	<b>PP7 - PP12</b>	
	PP7	Investment characteristics of REITs
	PP8	Disadvantages of REITs
	PP9	Economic value determinants for different types of REITs
	PP10	Adjusted funds from operations (AFFO)
	PP11	Relative value approach - P/FFO multiple
	PP12	Discounted cash flow approach - 2 step model
Private Equity Valuation	<b>PP7 - PP12</b>	
	PP7	Valuation characteristics of buyout vs. venture capital investments
	PP8	Alignment of interests
	PP9	Evaluating fund performance
	PP10	Evaluating fund performance
	PP11	Exit routes
	PP12	Valuation issues in buyout and venture capital transactions
	<b>PP13 - PP18</b>	
	PP13	Valuation characteristics of buyout vs. venture capital investments
	PP14	Value creation in buyout firms
	PP15	Distribution waterfall
	PP16	Calculating total value to paid- in capital (TVPI)
	PP17	Calculating carried interest
	PP18	Evaluating fund performance
Commodity and Commodity Derivatives: An Introduction	<b>PP1 - PP8</b>	
	PP1	Commodity futures market participants
	PP2	Characteristics of commodity sectors
	PP3	Valuation of commodities
	PP4	Backwardation
	PP5	Theories explaining futures returns
	PP6	Roll returns
	PP7	Calculating total return
	PP8	Total return swap