Competency statements

Sr. No.	Area / Topic	Competency Statement	
1	Commission, Brokerage, Discount	 understand terms like Agent, Commission Agent, Broker, Auctioneer, Factor, Del credere Agent identify trade discount and cash discount know meaning and formula of present worth, true discount, sum due, date of bill, face value, period, nominal due date, discount, banker's gain solve problems on commission and brokerage 	
2	Insurance	 understand the terms premium, policy value, types of insurance (fire, marine and accident) know rules and formulae for claims 	
	Annuity	 identify types of annuity know terms related to annuity understand annuity formulae including abbreviations used in them solve annuity problems 	
3	Linear Regression	 understand the meaning of regression understand types of regression understand meaning of linear regression find the regression coefficient state the equations of regression lines state interrelations between standard deviations, regression coefficients and correlation coefficient remember the properties of regression coefficient solve problems based on regression 	
4	Time Series	 understand the concept of a time series identify the components of a time series use graphical method to find the trend line for a time series use moving averages to find the trend line for a time series use least squares method to find the trend line for a time series 	
5	Index Numbers	 understand the concept of index numbers identify types of index numbers understand the terminology of index number construct different index numbers solve economic problems involving index number 	

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6	Linear Programming	 understand the concept of linear programming understand the general form and meaning of LPI formulate a given problems as LPP draw constraint lines and find the region of feasible solutions obtain the optimal solution of LPP 	
7	Assignment	 understand the assignment problem formulate an assignment problem solve an assignment problem by Hungarian method identify the special cases of assignment problem 	
	Sequencing	 understand the concept of job sequencing solve problems of processing n jobs through two machines solve problem of processing n job through three machine 	
8	Probability Distribution	 understand the meaning of random variables and types of random variables understand probability mass function and its properties understand the cumulative distribution function and its properties find the expected value and variance of a discrete random variable understand the probability density function and its properties find the cumulative distribution function, expected value and variance of continous random variables 	
	Binomial Distribution	 understand Bernauli trial, Bernauli distribution, condition for Binomial distribution and their properties use Binomial distribution to calculate required probabilities 	
	Poisson Distribution	 understand the Poission distribution and its properties use Poisson distribution to calculate required probabilities 	

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