Syllabus for Remedial Class - B.Com (Professional) Semester – I

BCP-104: BUSINESS ECONOMICS I

Price determination under various market conditions: Perfect Competition: Features and equilibrium of firm and industry under perfect competition (short run and long run).

Monopoly: Features, price and output determination under monopoly (short run and long run).

Monopolistic Competition: Features, price and output determination under monopolistic competition (short run and long run).

Session (2014-15)

Syllabus for Remedial Class - B.A./B.Sc. SEMESTER–II

QUANTITATIVE TECHNIQUES–II

Correlation Analysis: Introduction, Importance, Karl-Pearson's Coefficient of Correlation, Spearman's Rank Correlation Coefficient.

Simple Regression Analysis: Difference between Correlation and Regression, Lines of Regression, Inter-relationships between Correlation and Regression Coefficients.

Analysis of Time Series: Definition, Components of Time Series, Measurement of Trend by different methods, Measurement of Seasonal Variations.

Max. Marks : 20

Q: 1 Find coefficient of correlation between Marks in Business Statistics and Marks in Accounts. Also find marks of the student in Business Statistics who scored 54 in Accounts.

		Marks in Accounts (Y)				
		0-15	15-30	30-45	45-60	60-75
Marks in	0-20	6	-	4	3	2
Business	20-40	1	8	-	-	-
Statistics	40-60	4	2	5	2	-
(X)	60-80	-	-	2	3	8

(10)

Q: 2(a) What is coefficient of correlation? What are its properties? (4)

Q:2 (b) Two managers ranked 12 employers working under them as below:

Employers	A	B	C	D	E	F	G	H	I	J	K	L
Manager I	5	6	1	2	3	8.5	8.5	4	7	11	10	12
Manager II	5.5	5.5	2	2	2	9	7	4	8	10.5	12	10.5

Calculate Spearmen's Rank Correlation.

Max. Marks : 20

Q:1 (a) What is Time Series Analysis? What are the components in which time series may be analysed ?   (4)

Q:1 (b) Assume four yearly cycle, calculate the trend and short term fluctuations by method of moving average for the following data:

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Sales in Lakhs:	500	520	550	470	510	540	560	570	590	610

(6)

Q: 2 Fit a Linear trend by the method of least squares.

(b) Find annual and monthly increase in no. of units.

(c) Estimate no. of units for 2016 .

(d) Find error term.

(e) Convert your annual trend equation with a monthly trend equation.

Year	2008	2009	2010	2011	2012	2013	2014	2015
No. of units (in Lakhs)	12	13	13	16	19	23	21	23

(10)

Test I

Session (2014-15)

B.Com (Professional) Semester – I

BCP-104: BUSINESS ECONOMICS I

Max. Marks : 20

Q:1   Discuss equilibrium of Firm and Industry under Perfect Competition.

Or

Q:1 How the price and output is determine under Perfect Competition?

Test II

Session (2014-15)

B.Com (Professional) Semester – I

BCP-104: BUSINESS ECONOMICS I

Max. Marks : 20

Q:1   Discuss equilibrium of Firm and Industry under Monopolist Competition.