

**Lesson Plan – 2015**

**B.Tech (III Semester)**

Course Code	15PD201
Course Name	QUANTITATIVE APTITUDE & LOGICAL REASONING -I
Prerequisites	NIL
Category	GENERAL (G)

Instructional objects No	Instructional objects
1	Build a strong base in the fundamental mathematical concepts
2	Grasp the approaches and strategies to solve problems with speed and accuracy
3	Gain appropriate skills to succeed in preliminary selection process for recruitment
4	Collectively solve problems in teams & group

**Student Outcomes**

Student Outcome number	Student Outcome
a	An ability to apply knowledge of mathematics, science and engineering
e	An ability to identify, formulate and solve engineering problems
i	A recognition of the need for, and ability to engage in life-long learning
d	An ability to function on multidisciplinary teams

Lecture No	Topic	Instructional objectives	Student Outcome	Reference
1 to 6	PURE ARITHMETIC-I NUMBERS Types and Properties of Numbers, LCM, GCD, Fractions and decimals, Surds	To improve aptitude problem solving skills and reasoning ability of the student	a	Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011
7-12	COMMERCIAL ARITHMETIC-I Percentages, Profit & Loss, Simple Interest & Compound Interest.	To improve aptitude problem solving skills and reasoning ability of the student	a	Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011
13 to 18	ALGEBRA-I	To improve aptitude problem	a	Agarwal.R.S –

	Logarithms, Problems on ages, Linear Equations, Quadratic Equations and In – equations.	solving skills and reasoning ability of the student		Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011
19 to 24	MODERN MATHEMATICS-1 Permutations, Combinations, Probability	To improve aptitude problem solving skills and reasoning ability of the student	a	Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata Mcgraw Hill, 3rd Edition
25 to 30	REASONING Logical Reasoning, Analytical Reasoning	To collectively solve problems in teams and group.	d	Edgar Thrope, Test Of Reasoning For Competitive Examinations, Tata Mcgraw Hill, 4th Edition

#### TEXT BOOK

Dinesh Khattar- The Pearson Guide to Quantitative aptitude for competitive examinations

#### Reference Books

1. Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011
2. Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata Mcgraw Hill, 3rd Edition
3. Edgar Thrope, Test Of Reasoning For Competitive Examinations, Tata Mcgraw Hill, 4th Edition
4. Dinesh Khattar- The Pearson Guide to Quantitative aptitude and Data Interpretation for the CAT, by Nishit K Sinha

#### ON-LINE RESOURCES

5. [www.indiabix.com](http://www.indiabix.com)
6. [www.lofoya.com](http://www.lofoya.com)
7. [www.careerbless.com](http://www.careerbless.com)
8. [www.achieversforce.com](http://www.achieversforce.com)

#### Faculty member handling:

Section	Faculty Name	Signature
MECH C, ECE A,ECE B, CSE A, CSE C, CSE D	Ms. Revathi A.N	
CSE B, CSE E, CSE F, MECH A, MECH B, MECH D	MR. SAMPATH R	