

Lesson Plan – 2015
B. Tech (V Semester)

Course Code	15PD301
Course Name	Quantitative Aptitude & Logical Reasoning - II
Prerequisite	Verbal Aptitude
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 skill to succeed and preliminary selection process for recruitment
4	Collectively solve problems in teams and groups

Student Outcomes

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

Lecture No	Topic	Instructional objectives	Student Outcome	Reference
1 to 4	Pure ARITHMETIC-II A.P, G.P, H.P, Sets and functions	Build a strong base in the fundamental mathematical concepts Gain appropriate skills to succeed in preliminary selection process for recruitment	a,i	Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011 Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata Mcgraw Hill, 3rd Edition
5 to 12	COMMERCIAL ARITHMETIC-II	Grasp the approaches and strategies to solve problems	i	Agarwal.R.S – Quantitative Aptitude for

	Clocks, Calendar, Ratios & Proportions, Averages, Mixtures & Solutions.	with speed and accuracy		Competitive Examinations, S Chand Limited 2011
13 to 18	COMMERCIAL ARITHMETIC - III ALGEBRA-I Time, Speed & Distance, Time & Work, Problems on Trains, Boats & streams, Time and work and pipes and cisterns	Build a strong base in the fundamental mathematical concepts Gain appropriate skills to succeed in preliminary selection process for recruitment	a,i	Agarwal.R.S – Quantitative Aptitude for Competitive Examinations, S Chand Limited 2011
19 to 24	GEOMETRY Geometry, Trigonometry, Mensuration	Gain appropriate skills to succeed in preliminary selection process for recruitment	i	Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata Mcgraw Hill, 3rd Edition
25 to 30	MODERN MATHEMATIC S– Data sufficiency, Data Interpretation	Collectively solve problems in teams & group	d	Edgar Thrope, Test Of Reasoning For Competitive Examinations, Tata Mcgraw Hill, 4th Edition Dinesh Khattar- The Pearson Guide to Quantitative aptitude and Data Interpretation for the CAT, by Nishit K Sinha

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

1. www.indiabix.com
2. www.lofoya.com
3. www.careerbless.com
4. www.achieversforce.com

Faculty member handling:

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